

09/864,711

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"Examiner Search Notes"

Thank you.

James Martinell
Primary Examiner 1631

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OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 18:40:00 ; Search time 332.654 Seconds
(without alignments)
9670.472 Million cell updates/sec

Title: US-09-864-711-1

Perfect score: 1966

Sequence: 1 caaatggagcgtcgaagaa.....atgcataaaaaaaaaa 1966

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1944.4	98.9	2917	4	US-09-907-794A-189
2	1944.4	98.9	2917	4	US-09-905-125A-189
3	1944.4	98.9	2917	4	US-09-902-775A-189
4	1944.4	98.9	2917	4	US-09-906-700-189
5	1944.4	98.9	2917	4	US-09-903-603A-189
6	1944.4	98.9	2917	4	US-09-904-920A-189
7	1944.4	98.9	2917	4	US-09-909-064-189
8	1944.4	98.9	2917	4	US-09-905-381A-189
9	1944.4	98.9	2917	4	US-09-906-618-189
10	195.8	10.0	199	4	US-09-513-999C-15660
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14	122.8	6.2	5802	3	US-09-341-587-4
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16	65	3.3	11272	4	US-09-341-461-1
17	56.6	2.9	28720	3	US-09-341-587-7
18	54.2	2.8	5021	4	US-09-285-385C-1
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41	47.6	2.4	1806	4	US-09-800-728-75	Sequence 75, Appli
42	47.6	2.4	1806	4	US-10-067-422-5	Sequence 5, Appli
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45	47	2.4	47	4	US-09-902-775A-193	Sequence 193, App

ALIGNMENTS

RESULT 1
US-09-907-794A-189
Sequence 189, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kilavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547

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/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
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/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 189
/ LENGTH: 2917
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-907-794A-189
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Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
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DB 1080 CAATATGAGAGAGACCCCAAGCCATGATCTGCAACTCAATCCAGTGAAGACTGCAC 1139
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DB 1140 CTGACAAATAGAAAGACCAAGAAACAAAGCATCAATTAATTTTCTTAATGCTCAGCT 1199
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DB 1320 ATCCAGTACATGAGCTTCAATAGTACTGACTCAGCAAGAAATTCAGAGAACTGCTT 1379
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DB 1980 CAATATTAATCACTTTTCTGATCTCACTTGAAGTATCAACCGTGAAGAAACACT 2039
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Db 2880 GGGCTGAAAAGTGAACACAGAGCTGCAATGTCAAAATA 2917

RESULT 3
US-09-902-775A-189
Sequence 189, Application US/0902775A
Patent No. 6686451
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mathew, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumbar, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
PRIOR FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
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PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095

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; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-775A-189

Query Match      98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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DB 1920 TGTCCCTCTTAATGAGATGTGTACATCAAGAAAGTAGAAGATCAATTAATTAACAC 1979
QY 1020 CAATTAATACACCTTTCTGCACTCTCAACTCTGAAAGATCAACCCGACAGAAACACT 1079
DB 1980 CAATTAATACACCTTTCTGCACTCTCAACTCTGAAAGATCAACCCGACAGAAACACT 2039
QY 1080 CCAGATTAATGAGATGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
DB 2040 CCAGATTAATGAGATGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099
QY 1140 AGAAGATGATGTAATACAAAGTCAAAATGCACTGGGCAAAATATTAACACAGATGCTCT 1199
DB 2100 AGAAGATGATGTAATACAAAGTCAAAATGCACTGGGCAAAATATTAACACAGATGCTCT 2159
QY 1200 TTTTGAATCCAACTTCAATTTGAAGAAAGACTATTAATCAAGATTAATGAGATTTGAA 1259
DB 2160 TTTTGAATCCAACTTCAATTTGAAGAAAGACTATTAATCAAGATTAATGAGATTTGAA 2219
QY 1260 CCAAACTCTTTTGTCAAGTGTGACACCTCAGATCCAAATTTGAGTGTCT 1319
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QY 1440 ATTCCAGTTTATGCTTTAAATTTCTGAGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1499
DB 2400 ATTCCAGTTTATGCTTTAAATTTCTGAGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2459
QY 1500 AGTTTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1559
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DB 2640 AGAAATCTCAAAACAGCTTTCAACAGTGTGATCTGTTTCTTCAAGTGTGATGCTCT 2699
QY 1740 GAATGTGTGATCTGATGAGCAATCAAGTGAAGGATTTTGAATCAACGGGACACTA 1799
DB 2700 GAATGTGTGATCTGATGAGCAATCAAGTGAAGGATTTTGAATCAACGGGACACTA 2759
QY 1800 CAATATCAGAAAGCTGAGAACTATTAATTAACAGTCCCAAGTGAAGTGAAGTGAAGT 1859
DB 2760 CAATATCAGAAAGCTGAGAACTATTAATTAACAGTCCCAAGTGAAGTGAAGTGAAGT 2819
QY 1860 CTCAGAGTGCAGAAAGAAATGCTACCTGTGTGCTACATATTAATGAATGAAGGA 1919
DB 2820 CTCAGAGTGCAGAAAGAAATGCTACCTGTGTGCTACATATTAATGAATGAAGGA 2879
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Qy 1920 GGGCTGAAGTACACACAGGCTTCATGTCATAAAA 1957
 Db 2880 GGGCTGAAGTACACACAGGCTTCATGTCATAAAA 2917

RESULT 4
 US-09-906-700-189
 Sequence 189, Application US/09906700
 Patent No. 672353
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Peoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/906,700
 CURRENT FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219

PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-906-700-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 CAAATGAGCTTGTAAAGAGGCTCATGACCTTAACTTCCTGTTGGC 60
 Db 960 CAAATGAGCTTGTAAAGAGGCTCATGACCTTAACTTCCTGTTGGC 1019
 Qy 61 GGA-CTGACAAATGCGGAGGCTGAAAGCAATGCAAGCTGCAAGTCAAGTGGGAGTGC 119
 Db 1020 GGAAGCTGACAAATGCGGAGGCTGAAAGCAATGCAAGCTGCAAGTCAAGTGGGAGTGC 1079
 Qy 120 CAATATGCGAGAGACCCCAAAAGCCATGATCTGCAATCCAGTGAAGAACTGAC 179
 Db 1080 CAATATGCGAGAGACCCCAAAAGCCATGATCTGCAATCCAGTGAAGAACTGAC 1139
 Qy 180 CTGGAACAATGAGAAAGACCAAGAAA CAAAAGCATGAAATATCTTTCCATGTCAGCT 239
 Db 1140 CTGGAACAATGAGAAAGACCAAGAAA CAAAAGCATGAAATATCTTTCCATGTCAGCT 1199
 Qy 240 TGATCCAGATGGAAGCGTGTAAAGTGAAGAACTTTAAAGCTTTGAGGAACTCCAGCA 299
 Db 1200 TGATCCAGATGGAAGCGTGTAAAGTGAAGAACTTTAAAGCTTTGAGGAACTCCAGCA 1259
 Qy 300 TGGGCTTGCTAGGAGGCAAGCTGCAAGTAAAGCACTATGTTCTGTAATTAATCATC 359
 Db 1260 TGGGCTTGCTAGGAGGCAAGCTGCAAGTAAAGCACTATGTTCTGTAATTAATCATC 1319
 Qy 360 ATCCAGTACATTTGACGTTTCAATATGTTATGCTGACGAAAGATTCAGAAAGCTGCTT 419
 Db 1320 ATCCAGTACATTTGACGTTTCAATATGTTATGCTGACGAAAGATTCAGAAAGCTGCTT 1379
 Qy 420 TGTCTTACTACTCTTCTCTCTCAATCATCTCATTCGAACTGTGGGGGTACTCGGA 479
 Db 1380 TGTCTTACTACTCTTCTCTCTCAATCATCTCATTCGAACTGTGGGGGTACTCGGA 1439
 Qy 480 TACCTTGAAGAGATCTTTCACAGCCCAATTAACCAAGCCGATCTGAGCTGCTTA 539
 Db 1440 TACCTTGAAGAGATCTTTCACAGCCCAATTAACCAAGCCGATCTGAGCTGCTTA 1499
 Qy 540 TTGTGTGCGACATACAGTGAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTA 599
 Db 1500 TTGTGTGCGACATACAGTGAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTA 1559
 Qy 600 TTTCCTGAAATAGACAAACAGTCAAAATTTGATTTTCTGCAATCATGATGCGCTTC 659
 Db 1560 TTTCCTGAAATAGACAAACAGTCAAAATTTGATTTTCTGCAATCATGATGCGCTTC 1619
 Qy 660 CACCAACTGCGGCTGATGGAACATCTGTGGCCGTGTGACTCCGACCTTGAATGTC 719
 Db 1620 CACCAACTGCGGCTGATGGAACATCTGTGGCCGTGTGACTCCGACCTTGAATGTC 1679
 Qy 720 ATCAAACTCTGACTGTGTGTGCTGACATTAATGCAATTTTACCGGGGATTTTC 779
 Db 1680 ATCAAACTCTGACTGTGTGTGCTGACATTAATGCAATTTTACCGGGGATTTTC 1739
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 Qy 840 TGACAGATGAGAGTTATTAAGCAAAATCCATCAAGCTTAACTTAATGAGAA 899
 Db 1800 TGACAGATGAGAGTTATTAAGCAAAATCCATCAAGCTTAACTTAATGAGAA 1859
 Qy 900 TAACTTGAACCTTAAAGACCAACTTGAAGACCAAAATTAATCAATGTGTGAATTTTC 959

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Db 1920 TGTCCCTCTTAATGAGATGTGTATCAATCAAGAGTAGAAGATCAAGTCAATTAATTACAC 1979
Qy 1020 CAATTAATCACTTTTCTGCAATCTTCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 1079
Db 1980 CAATTAATCACTTTTCTGCAATCTTCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 2039
Qy 1080 CCAGATTAATGAGATGTGTATCAAGTATCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 1139
Db 2040 CCAGATTAATGAGATGTGTATCAAGTATCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 2099
Qy 1140 AGAAGATGATGATTAATCAAAAGTCAAAATGCACTGGGCAATTAATCAAGATGGCTCT 1199
Db 2100 AGAAGATGATGATTAATCAAAAGTCAAAATGCACTGGGCAATTAATCAAGATGGCTCT 2159
Qy 1200 TTTTGAATCCATTTCTTGAAGATGATTAATCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 1259
Db 2160 TTTTGAATCCATTTCTTGAAGATGATTAATCAAGTATCAAGTATCAAGTATCAAGTATCAAGT 2219
Qy 1260 CCAAACTCTTTTGTTCAGTATGATCTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 1319
Db 2220 CCAAACTCTTTTGTTCAGTATGATCTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 2279
Qy 1330 TGATACCTGTAGAGCTCTCCCACTCTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 1379
Db 2280 TGATACCTGTAGAGCTCTCCCACTCTGCACTGCACTGCACTGCACTGCACTGCACTGCACT 2339
Qy 1380 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1439
Db 2340 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2399
Qy 1440 ATTCAAGTAAATGCTTAAATTTCTGAGAGTATGAGCTGATGATGATGATGATGATGATGAT 1499
Db 2400 ATTCAAGTAAATGCTTAAATTTCTGAGAGTATGAGCTGATGATGATGATGATGATGATGAT 2459
Qy 1500 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1559
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Qy 1560 AAGCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1619
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Qy 1620 TCTGAAAAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1679
Db 2580 TCTGAAAAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2639
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Db 2640 AGAAACTCCAAACGAGCTTTCAGAGTGTGATGATGATGATGATGATGATGATGATGATGAT 2699
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Db 2700 GAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2759
Qy 1800 CAATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1859
Db 2760 CAATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2819
Qy 1860 CTCAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1919
Db 2820 CTCAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2879
Qy 1920 GGGCTGAAAGTGAACACAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1957
Db 2880 GGGCTGAAAGTGAACACAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 2917

RESULT 5

US-09-903-603A-189
Sequence 189, Application US/09903603A
Patent No. 676795
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Geider, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mathner, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: GNE.1618P2C12
CURRENT APPLICATION NUMBER: US/09/903, 603A
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens

US-09-903-603A-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTTGTGAGAGGCTGATGCCAATTGACCTCTTAAATTTCTCTCTGTTGGC 60
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DB 1080 CAAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1139
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DB 1140 CTGACAAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1199
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DB 1200 TGATCCAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1259
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DB 1320 ATCCAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1379
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QY 480 TACCTTGAAGAGATCTTCAACAGCCCAATTACCCCAAGCCCAATCTGAGTGGCTTA 539
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QY 540 TGTGTGTGGACATACAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 599
DB 1500 TGTGTGTGGACATACAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1559
QY 600 TTTCTTGAAGATGACAAACAGTGAATTTGATTTTCTTGCATCTATGATGGCCCTTC 659
DB 1560 TTTCTTGAAGATGACAAACAGTGAATTTGATTTTCTTGCATCTATGATGGCCCTTC 1619
QY 660 CACCAACTGAGGCTGATGAGCAAGTCTGTGGCGGTGAGTCCCACTTGAATGCTC 719
DB 1620 CACCAACTGAGGCTGATGAGCAAGTCTGTGGCGGTGAGTCCCACTTGAATGCTC 1679
QY 720 ATCAAACTCTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 779
DB 1680 ATCAAACTCTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1739
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DB 1740 TGTCTTCAACACTCAATTTATGCAAGAAACATCAACACTATCACTTTTATGCTCTTC 1799
QY 840 TGACAGATGAGAGTATATATAGCAAAATCTTACCTAGAGAGGTTTAACTTAATGGAA 899
DB 1800 TGACAGATGAGAGTATATATAGCAAAATCTTACCTAGAGAGGTTTAACTTAATGGAA 1859
QY 900 TAACTTGAACATAAAGACCAACTTGCAGACCAAAATTAATCAATGTGTGAAATTTTC 959
DB 1860 TAACTTGAACATAAAGACCAACTTGCAGACCAAAATTAATCAATGTGTGAAATTTTC 1919
QY 960 TGTCCCTCTTAATGATGTGTGATCAATGAAAGGTAGAAAGTCAATGCTTAACTTAC 1019
DB 1920 TGTCCCTCTTAATGATGTGTGATCAATGAAAGGTAGAAAGTCAATGCTTAACTTAC 1979

QY 1020 CAAATATATACCTTTTCTGATCTTCAACTTCTGAAGTATCACCTGTGAGAAACA 1079
DB 1980 CAAATATATACCTTTTCTGATCTTCTCAACTTCTGAAGTATCACCTGTGAGAAACA 2039
QY 1080 CCAGATTAATGTAAGTGAATGGAATGAGACATATATCTACAGTGGAGATTAATATAC 1139
DB 2040 CCAGATTAATGTAAGTGAATGGAATGAGACATATATCTACAGTGGAGATTAATATAC 2099
QY 1140 AGAAGATGATGATATCAAAATGCAAAATGCACTGGGCAAAATATTAACACAGATGCT 1199
DB 2100 AGAAGATGATGATATCAAAATGCAAAATGCACTGGGCAAAATATTAACACAGATGCT 2159
QY 1200 TTTTGAATCAATTCATTTGAAAGAGATATCTGAAATCAACATTAATATGATTTGAA 1259
DB 2160 TTTTGAATCAATTCATTTGAAAGAGATATCTGAAATCAACATTAATATGATTTGAA 2219
QY 1260 CCAAACTCTTTTGTTCAGATTAAGTCTGACACCTCAGATCCAAATTTGATGTTTCT 1319
DB 2220 CCAAACTCTTTTGTTCAGATTAAGTCTGACACCTCAGATCCAAATTTGATGTTTCT 2279
QY 1320 TGATACCTGATGAGGCTCCCACTCTGATTTGATCTTCAACCTAGACCTAATCAA 1379
DB 2280 TGATACCTGATGAGGCTCTCCCACTCTGATTTGATCTTCAACCTAGACCTAATCAA 2339
QY 1380 GAGTGAATGATGAGATGAGAACTTGAATGATCCCTTAATTTGACACTATGGAG 1439
DB 2340 GAGTGAATGATGAGATGAGAACTTGAATGATCCCTTAATTTGACACTATGGAG 2399
QY 1440 ATTCAAGTTAATGCTTTAATTTCTGAGAGATTAAGTCTGTGTATCTGAGTGA 1499
DB 2400 ATTCAAGTTAATGCTTTAATTTCTGAGAGATTAATTTCTGAGAGATTAAGTCTGT 2459
QY 1500 AGTTTGAATGATGATGAGACAGTCAACAGTCTGCTGCAATCAAGTTGTCTCCAG 1559
DB 2460 AGTTTGAATGATGATGAGACAGTCAACAGTCTGCTGCAATCAAGTTGTGTCTCCAG 2519
QY 1560 AAGCAAGAGACATTTCTTCAATTAATGAGAAACAGATTCATCATAGAACCAATTCG 1619
DB 2520 AAGCAAGAGACATTTCTTCAATTAATGAGAAACAGATTCATCATAGAACCAATTCG 2579
QY 1620 TCTGAAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1679
DB 2580 TCTGAAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 2639
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DB 2640 AGAAATCTCAACAGCTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTAGCTCT 2699
QY 1740 GAAATGTGTGATGATGAGCAATCAACAGTGGAGATTTTGTAAATCAACGGGCACTA 1799
DB 2700 GAAATGTGTGATGATGAGCAATCAACAGTGGAGATTTTGTAAATCAACGGGCACTA 2759
QY 1800 CAAATACCAAGCTGAGAACTATTAATCAAGTTCACACCTTAAGTGAACATGTTT 1859
DB 2760 CAAATACCAAGCTGAGAACTATTAATCAAGTTCACACCTTAAGTGAACATGTTT 2819
QY 1860 CTCAGAGTGCAGAAAGAAATGCTATCTGTGCTTACATATTAATTAATTAATGAGAA 1919
DB 2820 CTCAGAGTGCAGAAAGAAATGCTATCTGTGCTTACATATTAATTAATTAATGAGAA 2879
QY 1920 GGGCTGAAAGTGAACACAGGCTGATGCAAAAA 1957
DB 2880 GGGCTGAAAGTGAACACAGGCTGATGCAAAAA 2917

RESULT 6
US-09-904-920A-189
; Sequence 189, Application US/09904920A
; Patent No. 6806352
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijaviri, Ivar J.
APPLICANT: Mathner, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,920A
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
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PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-904-920A-189

Query Match 98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTGTGTAAGAGGCTGATGCAATGACCCCTTAATTCCTCTCGTTTGGAC 60
DB 960 CAAATGAGCTGTGTAAGAGGCTGATGCAATGACCCCTTAATTCCTCTCGTTTGGAC 1019
QY 61 GGA-CTGACAAATGGCGAGGCTGTAAGGCAATGCAAGCTGCAAGCTCACTTGAAGGGGTGC 119
DB 1020 GGAGCTGACAAATGGCGAGGCTGTAAGGCAATGCAAGCTGCAAGCTCACTTGAAGGGGTGC 1079
QY 120 CAATATGCGAAGAGACCCCAAAAGCCATATCTGTGCAATCTCAATCCCAAGTGAAGTGCAC 179
DB 1080 CAATATGCGAAGAGACCCCAAAAGCCATATCTGTGCAATCTCAATCCCAAGTGAAGTGCAC 1139
QY 180 CTGACAAATGAAAGACCAAGAAACAAAGAGATGATATTCCTTCTGATGTCAGCT 239
DB 1140 CTGACAAATGAAAGACCAAGAAACAAAGAGATGATATTCCTTCTGATGTCAGCT 1199
QY 240 TGATCAGATGGAAGCTGTGAAAGTGAAGAAATTAAGTCTTTGACGGAACCTCAGAA 299
DB 1200 TGATCAGATGGAAGCTGTGAAAGTGAAGAAATTAAGTCTTTGACGGAACCTCAGAA 1259
QY 300 TGGGCTCTGCTAGGGCAAGTCTGCAATGAAAAGACATATGTTCTGTATTTGAATATC 359
DB 1260 TGGGCTCTGCTAGGGCAAGTCTGCAATGAAAAGACATATGTTCTGTATTTGAATATC 1319
QY 360 ATCCAGTACATGACGTTTCAATATGTAATGTAAGTCAAGCAAGTCAAGTCAAGTCTT 419
DB 1320 ATCCAGTACATGACGTTTCAATATGTAATGTAAGTCAAGCAAGTCAAGTCAAGTCTT 1379
QY 420 TGTCTTCTACTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 479
DB 1380 TGTCTTCTACTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1439
QY 480 TACTTGGAGAGATCTTACCAAGCCCAATTAACCAAGCCCAATTAACCAAGCCCAATTA 539
DB 1440 TACTTGGAGAGATCTTACCAAGCCCAATTAACCAAGCCCAATTAACCAAGCCCAATTA 1499
QY 540 TTGTGTGTGGACATATGAGGAGGAGAAATTAAGTAAATTAAGTAAATTAAGTAAATTA 599
DB 1500 TTGTGTGTGGACATATGAGGAGGAGAAATTAAGTAAATTAAGTAAATTAAGTAAATTA 1559
QY 600 TTTCTTGAATAATGACAAACAGTCAATTTGATTTTCTGCAATCTGATGAGCCCTGC 659
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QY 720 ATCAAACTCTGACGTGCGTGTGTCTACAGATTTATGCAATCTTACCGGGGATTTTC 779
DB 1680 ATCAAACTCTGACGTGCGTGTGTCTACAGATTTATGCAATCTTACCGGGGATTTTC 1739
QY 780 TGCTTCTGACACCTCAATTTATGAGAAAACATCAACCTACATCTTTACCTGCTCTTC 839
DB 1740 TGCTTCTGACACCTCAATTTATGAGAAAACATCAACCTACATCTTTACCTGCTCTTC 1799
QY 840 TGACAGATGAGAGTTATTAATGCAAAATCTTACCTAGAGCTTTTAATCTGAATGGAA 899
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QY 900 TAACTTGAATTAAGAAACCAACTGTGAGACCAAAATTAATCAAAATGTTGGAAATTTTC 959
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QY 960 TGTCCCTCTTAATGAGATGTGTATCAATCAAGAAAGTGAAGTCAATCTTACCTACAC 1019
DB 1920 TGTCCCTCTTAATGAGATGTGTATCAATCAAGAAAGTGAAGTCAATCTTACCTACAC 1979
QY 1020 CAATATTAATCACTTTTCTGATCTCTCACTTGTGAAGTATCAACCCGTCGAAACAAT 1079
DB 1980 CAATATTAATCACTTTTCTGATCTCTCACTTGTGAAGTATCAACCCGTCGAAACAAT 2039
QY 1080 CCAATATTTGTGAAGTGTGAATGGGACATTAATTCAGTGAAGTGAATATTAATCAATAC 1139

Db 1020 GGAGCTGACATATGCGGAGGCTGAAGGCAATGCAAGCTGACAGTCAAGGAGGCTG 1079
Qy 120 CAATATGGAGAGAGCCCAAGAGCCATGATCTGCACTCAATCCAGTGAAGATGCGAC 179
Db 1080 CAATATGGAGAGAGCCCAAGAGCCATGATCTGCACTCAATCCAGTGAAGATGCGAC 1139
Qy 180 CTGAGCAATAGAAAAGACAGAAAACAAAAGCATCAGATTATCTTCCATATGTCAGCT 239
Db 1140 CTGAGCAATAGAAAAGACAGAAAACAAAAGCATCAGATTATCTTCCATATGTCAGCT 1199
Qy 240 TGAATCAGATGGAAGCTGTGAAGTGAAGATTAAGTCTTGAAGGAACTCCAGCA 299
Db 1200 TGAATCAGATGGAAGCTGTGAAGTGAAGATTAAGTCTTGAAGGAACTCCAGCA 1259
Qy 300 TGGGCTCTGCTAAGGCAAGTCTGCACTGAATAAACGATATGTTCTCTGATTTGAATCAG 359
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Qy 360 ATCCAGTACATTAAGCTTTCAATAGTTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 419
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Qy 420 TGTCTCTAATCTTCTCTCTCTAATCTCTAATCTCTAATCTCTAATCTCTAATCTCTAATCTCT 479
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Qy 480 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGTGGCTTA 539
Db 1440 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGTGGCTTA 1499
Qy 540 TGTGTGTGGCAATCAAGTGAAGAGAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 599
Db 1500 TGTGTGTGGCAATCAAGTGAAGAGAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1559
Qy 600 TTTCTAGAAATAGACAAACAGTGAATTTGATTTCTGTCATCTATGATGCGCCCTC 659
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Qy 660 CACCAATCTGCGCTGATGAGACAGTCTGTGGCCGTGACCTCCACCTTGAAATCGTC 719
Db 1620 CACCAATCTGCGCTGATGAGACAGTCTGTGGCCGTGACCTCCACCTTGAAATCGTC 1679
Qy 720 ATCAAACTCTGACCTGTGTGTGTCTAAGATTAAGCAATTTCTTAACCGGGGATTTTC 779
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Qy 1020 CAATATATCACTTTTCTGCAATCTGCAATCTGCAATCTGCAATCTGCAATCTGCAATCTGCA 1079
Db 1980 CAATATATCACTTTTCTGCAATCTGCAATCTGCAATCTGCAATCTGCAATCTGCAATCTGCA 2039
Qy 1080 CCAGATTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1139
Db 2040 CCAGATTAATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2099
Qy 1140 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATTAACCAAGAGATGGCTCT 1199
Db 2100 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATTAACCAAGAGATGGCTCT 2159

Qy 1200 TTTTGAATCCATTTGATTTGAAAAGATTAATCTTGAATCAATTAATTAATGATTTGAA 1259
Db 2160 TTTTGAATCCATTTGATTTGAAAAGATTAATCTTGAATCAATTAATTAATGATTTGAA 2219
Qy 1260 CCAAACTCTTTTGTCAAGTATGTCGACACCTCAGATCCAAATTTGATGATTTCT 1319
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Qy 1440 ATTCAGATTAATGATCTTAATTTCTGAGAGATTAAGTATCTGATCTGATCTGATCT 1499
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Qy 1800 CAATATCCAGAGCTGAGAGATTAATTAAGATCAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1859
Db 2760 CAATATCCAGAGCTGAGAGATTAATTAAGATCAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2819
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Db 2820 CTCCAGATGCGAAAGAGATGCTACTCTGTGCTTACATATTAATTAATTAATGAGGA 2879
Qy 1920 GGGCTGAAAGTGAACACAGGCTCTGATGCAAAAA 1957
Db 2880 GGGCTGAAAGTGAACACAGGCTCTGATGCAAAAA 2917

RESULT 8
US-09-905-381A-189
; Sequence 189, Application US/09905381A
; Patent No. 6818746
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerilsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.


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Dh 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGTAAGTAAAGTCTTTGACGGAACCTCCAGCA 1259
Qy 300 TGGGCGCTCTGTAGGCGAAGTCTGCAATGAAGTAAGTCTTCTGATTTGATCAATC 359
Dh 1260 TGGGCGCTCTGTAGGCGAAGTCTGCAATGAAGTAAGTCTTCTGATTTGATCAATC 1319
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Dh 1320 ATCCAGATGATGAGTCTTCAATAGTAACTGATCTGACGACGAGAAATTCAGAACTGCTT 1379
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Dh 1440 TACCTTGAAGATGATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1499
Qy 540 TGTGTGTGTGACATACATGATGAGAAAGATTAACATTAATTAATTAATTAATTAATTAATTAAT 599
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Dh 2280 TGATTAATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2339
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Qy 1380 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1439
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Dh 2760 CAATTAACAGAGCTGAGAACTTAACTTAACAGTGTGATGATGATGATGATGATGATGATGATGATGAT 2819
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Dh 2820 CTCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2879
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Dh 2880 GGGGCTGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2917
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RESULT 10
US-09-513-999C-15660
; Sequence 15660, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Mline Edwards, J. B.
; APPLICANT: Ducleit, A.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59, US2, REG
; CURRENT APPLICATION NUMBER: US/09/513, 999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent .pm
; SEQ ID NO 15660
; LENGTH: 199
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-15660

Query Match 10.0%; Score 195.8; DB 4; Length 199;
Best Local Similarity 99.0%; Pred. No. 2.5e-52;
Matches 197; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy 1576 TCTTCATTAATTAATGAAAAAGATTTCCATGATGATGATGATGATGATGATGATGATGATGAT 1635
Dh 1 TCTTCATTAATTAATGAAAAAGATTTCCATGATGATGATGATGATGATGATGATGATGATGATGAT 60
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QY 1636 AGTGAAGTGGCAATTCAGATTTTCAGCATGAACACATGCGAAGAACTCCAAACAG 1695
DB 61 AGTGAAGTGGCAATTCAGATTTTCAGCATGAACACATGCGAAGAACTCCAAACAG 1695
QY 1696 CTTTCAACAGTGTGATCTGTTTCTTCAATGTTAGCTGTGAATGTGTGACTGTA 1755
DB 121 CTTTCAACAGTGTGATCTGTTTCTTCAATGTTAGCTGTGAATGTGTGACTGTA 180
QY 1756 GCGACATTCACAGTGAAGC 1774
DB 181 GCGACATTCACAGTGAAGC 199

RESULT 11
US-08-470-350B-1
Sequence 1, Application US/08470350B
Patent No. 5684126
GENERAL INFORMATION:
APPLICANT: Li, Xiao
TITLE OF INVENTION: Solomon H
TITLE OF INVENTION: Ednerin: A Secreted von Edner's Gland
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS: Protein Associated with Taste Buds
ADDRESSEE: Banner & Wilcoff, Ltd.
STREET: 1001 G Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20001
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/470.350B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wolfe, Susan A
REGISTRATION NUMBER: 33,568
REFERENCE/DOCKET NUMBER: 01107,48790
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-508-9100
TELEFAX: 202-508-9299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4360 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
FEATURE:
NAME/KEY: CDS
LOCATION: 94..3963
US-08-470-350B-1

Query Match 8.4%; Score 164.6; DB 1; Length 4360;
Best Local Similarity 49.4%; Pred. No. 2.3e-41;
Matches 583; Conservative 0; Mismatches 569; Indels 27; Gaps 5;

QY 463 TGTGCGGTACCTGATGATCTTGAAGGATCTTCAACAGCCCAATTAACCAAGCG 522
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QY 523 CATCTGAGCTGCTTATGTGTGTGTGCAATACAGAGTGAAGAAATTAAGATTAATA 582
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DB 2839 GACTCTTCACTTCAACATCACTTCAATGATGATGCTTCACTTCACTTCACTTCACT 2898
QY 763 TCTTACCGGGATTTTCTGCTTCTTCACTTCACTTCACTTCACTTCACTTCACT 822
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QY 883 TTTAACTTAAATGGAATTAATCTT-----GCAACTTAAAGACCACTTGCAGACCA 933
DB 3019 TACTCTTCAAGGATCTTGTATCTTGTGAAAGTGAAGTATGATGATGATGATGAT 3078
QY 934 AATATATCAATTTGTGTGAAATTTTCTGCTTCACTTCACTTCACTTCACTTCACT 993
DB 3079 ATTAACAAAGAGGATCTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3138
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DB 3139 GCTGACAAAGAGGATCTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3192
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QY 1234 GAATCACTATTAATTTGATTTGAACCAACTCTTTTGTGATTAATTTGATTTGATTTGAT 1293
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QY 1528 CAGTCTGCTGATCAAGGTTGTGTCTCCAGAGCAAGCAAGCAATTTCTTCAATTAATA 1587
DB 3673 TCTTCAAGGATCTCAAGAGATGTGTATGATGATGATGATGATGATGATGATGATGAT 3732
QY 1588 TGAAGAAAGATTCATCATTAAGCAATTTGTGTGA 1626
DB 3733 GAAAGGATGATTTGTCTGTGAGCCATTCAGTTGCA 3771

```
RESULT 12
US-08-700-575-39
; Sequence 39, Application US/08700575
; Patent No. 5817479
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice
; APPLICANT: Bandman, Olga
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN KINASE HOMOLOGS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/700,575
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BILLINGS, LUCY J
; REGISTRATION NUMBER: 36749
; REFERENCE/DOCKET NUMBER: SP-100 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 167 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY: Pancreas
; CLONE: 223163
; US-08-700-575-39

Query Match          7.9%; Score 156; DB 1; Length 167;
Best Local Similarity 99.4%; Pred. No. 1.4e-39;
Matches 167; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 830 CTGCTCTTGTGACAGATGAGATGATATATTAAGCAAACTCTACCTAGAGGCTTTTAACT 889
DB 1 CTGCTCTTGTGACAGATGAGATGATATTAAGCAAACTCTACCTAGAGGCTTTTAACT 60
QY 890 CTATGGGAATTAATCTGCAACTTAAAGACCCCACTTGGACAGACCAAAATTTATCAATGTGG 949
DB 61 CTATATGGGAATTAATCTGCAACTTAAAGACCCCACTTGGACAGACCAAAATTTATCAATGTGG 120
QY 950 TGAATTTTCTGTCCCTCTTAATGATGTGTGACATGAGAAAGTAG 997
DB 121 TGG-ATTTTCTGTCCCTCTTAATGATGTGTGACATGAGAAAGTAG 167

RESULT 13
US-09-976-594-272
; Sequence 272, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
```

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; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 272
; LENGTH: 5943
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 238660.5
; US-09-976-594-272

Query Match          6.3%; Score 124.4; DB 4; Length 5943;
Best Local Similarity 48.1%; Pred. No. 2.4e-28;
Matches 578; Conservative 0; Mismatches 576; Indels 48; Gaps 6;

QY 462 CTGTGGCGGTAACTGTGATACCTTGGAGATCCCTTCCACAGCCCAATTACCAAGCC 521
DB 4385 CTGGGAGGCTTCTATCCAAACATCAGGGGACTTTTCCAGCCCATTCATCCGGAA 4444
QY 522 GCATCTGAGCTGCTTATTTGTGTGGCACTACAAAGTGAGAAAGATTACAAATPAA 581
DB 4445 CTATCCAAACATGCAAGTGTGTGGGACATTAAGGTGCAAAACATACCGTGTGAC 4504
QY 582 ACTAACTTCAAGAGATTTTCTAGAAATGACAAACAGTCAAAATTTGATTTCTTGC 641
DB 4505 TGTGATCTTTCAGAGATGTCACAGCTTGAAGTGGC-----TGCACATATATATATGA 4558
QY 642 CATCTATATGAGCCCTTCCACCAACTGTGCTGATTGACAAAGTCTGTGCGGTGTAC 701
DB 4559 AGTTTTCATGAGCCCTTACCGCAGTCCCTCTCATTTCTGAGTTGTGATGGGGCAG 4618
QY 702 TCCCACTTGCAGATGATCAAACTCTGAGCTGTGTTGTGCTACATATATGCGAA 761
DB 4619 AGGCTCTTCACTTCTTCTTCACTTCAATGTCATTCAGTTCGCTTATCAGTACCAAGCAT 4678
QY 762 TTCTTACCGGGATTTTCTGCTTCTTCACTCACTCAATTTATGCAAAACATCAACTAC 821
DB 4679 CACAAGAGAGGTTCCGGGCTGAGTACTACTCAGTCCCTCCAAAGACCAACCACT 4738
QY 822 ATCTTTAATCTGCTCTTCTGACAGATGAGATGATATATTAAGCAAACTCTACCTAGAGC 881
DB 4739 GCTCTGTGCAAAATCAATGACAGGAGGTGAGAGGAGGCTATCTCAATCTTGGG 4798
QY 882 TTTTAACTTAAATGGAAT-----AACTGCAACTTAAAGACCCCACTTGCAGAGC 932
DB 4799 CTTTTCTGCAAGTACCTTGTGCAATTTTCACCTGGAATGATATACGAGTGTGCCCCA 4858
QY 933 AAAATTTATCAAAATTTGTGAAATTTTGTGCTCTTAAATGATGTGATCAATCAAGAA 992
DB 4859 GATACGCCGAACCTGTGATATTCACAAATTCCTTACTAGGCTGGGCACTTCAAGA 4918
QY 993 GGTAGAGATCAATCAATTTCTTACCAACCAATTAATCACTTTTGTGATCTCTCAACTTC 1052
DB 4919 GCGAGACAAATGACCACTGACATTAATTCATCTTCAAGCAGAGCTGTCTCA-----GG 4972
QY 1053 TGAAGTATCAACCGTCAAGAAACAACTCAAGATTTATGAAAGTGAATGGGACATTA 1112
DB 4973 TGGCATCATCAAGAGGAGGACAGACCTCGGTATTCACGTCACTGAGAAATCTTCAAGAA 5032
QY 1113 TTCTACAGTGAATATATATATATCAATACAGAAATGATGTAATACAAAGTCAAAATGCACT 1172
DB 5033 CACCTGGGTGACACCAATGTATGATGATGACCAATCAAGTGTGATTAATTAACCAAT 5092
QY 1173 -----GGGCAATATTAACCAAGATGAGCTTTTGAATCCAA 1211
DB 5093 CCAAGTGAAGAGTCCAGATATGCAATTTTATGCGGAACATTTCTTTATATCTTCTC 5152
QY 1212 TTCAATTTGAAAGACATATCTTGAATCACCATATTAATGATTTGAACCAAACTCTTTT 1271
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Db 5153 ATCTTCTGTATCTCTGTGACCAAGCCCTTACTAGTGAACGTAAACAGACTTGA 5212
Qy 1272 TGTCAAGTATCTGACACCTGATCCAAATTTGGTGTCTTGATACCTGAG 1331
Db 5213 CATTGAGGTGAATCTCTCATCTGATGCTGACTGACCTGTGTGTGAGACCTGCGT 5272
Qy 1332 AGCCTCTCC---CACCTGACTTGGCATCTCCAACTTACGACCTTATCAAGATGAG 1388
Db 5273 GGCATCAACCATCTCCAAATGATCTTCAAGCTTGTGACTTATGATCTATCCGAGATGAG 5332
Qy 1389 TAGTGAAGTGAATCTTGAAGTGTATCCCTT---ATTGACACTATGAGATTCGA 1445
Db 5333 CGTGAGGATGACACTTACAGACCCCTACTCTGCGCATCTCTTGGATGGCCGCTTCG 5392
Qy 1446 GTTATATGCTTTAATTTCTGAGAAGTATGACTGTGTATCTGCAATGTAAAGTTT 1505
Db 5393 GTTCAGGGCTTTCACCTTCTTAACCGCTTCCCTCCGTGACCTGCGTGTGAAATGAT 5452
Qy 1506 GATATGTATGACAGTGAACCAACAGTCTGCTGCAATCAAGGTTGTCTCCAGAGCA 1565
Db 5453 GGTGAGAGAGGATGACCTCTTCCGCTGTACAGAGCTGTGTGTGAGCTCGA 5512
Qy 1566 ACGAGACATTTCTTATATATATGAAAAAGATTCATATGAGACCCATTCGTGAA 1625
Db 5513 GAGGATGTGGGCTCTTACAGAAAAAGGTGACGTCTGTGGTCCATCCAGCTGCA 5572
Qy 1626 AA 1627
Db 5573 GA 5574

RESULT 14

US-09-341-587-4
; Sequence 4, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein containing an SRCR domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 5802
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-341-587-4

Query Match 6.2%; Score 122.8; DB 3; Length 5802;

Best Local Similarity 48.0%; Pred. No. 7.6e-28;

Matches 577; Conservative 0; Mismatches 577; Indels 48; Gaps 6;

Qy 462 CTGTGGCGTTACCTGATACCTTGGAAAGATCTTTCACCAAGCCCAATTACCCAAAGCC 521
Db 4243 CTGCGAGGCTTCTCATCCCAACATCAGGGGACTTTTCCAGCCCAATCTATCCCGGGA 4302
Qy 522 GCATCTGAGTGTCTTATTTGTGTGACATACAGAGTGAAGAAAGATTAACAATAA 581
Db 4303 CTATCAAAACATGCAAGTGTGTGTGAGACATTTGAGGTGCAAAACATCCGTGTAC 4362
Qy 582 ACTAAACTTCAAGAGATTTCTTGAATATGACAAACAGTCAAAATTTGATTTCTTGC 641
Db 4363 TGTGATCTTCAAGATGTCAGCTTGAAGTGGC-----TCAACTATGATTAATTTGA 4416
Qy 642 CATCTATATGCCCCCTTCCACCAACTTGGCTGATTTGACAAAGTCTGTGGCCGTGTAC 701
Db 4417 AGTTTTCATGGCCCTTACCGAGTTCCTCTCATTTGCTCAAGTTTGTGATGGGGCCAG 4476
Qy 702 TCCCACTTCAAGTGTATCAAACTCTCTGACTGTGCTGTCTACAGATTATGCCAA 761

Db 4477 AGGCTCTTCACTTCTCTCCCAACTTCATGTCATTCGCTTCATCAGTGAACAGCAT 4536
Qy 762 TTCTTACGGGATTTTCTGCTTCTTACACCTCAATTATGAGAAACATCAACATAC 821
Db 4537 CACAGAGAGAGGTTCCGGGCTGAGTACTTCTCCGTCTTCAATGACAGACCAACT 4596
Qy 822 ATCTTAACTTCTCTTCAAGAGATGATTTATTAAGCAATCTTACTTACAGGC 881
Db 4597 GCTGTGTCCCAATACATGACGAAGCCAGTGTGAGAGAGTATCTTCAATCTTGG 4656
Qy 882 TTTTAACTTAAATGGAAT-----AACTTGAACATAAAGCAACTTGCAGACC 932
Db 4657 CTTTCTGCAAGTGAACCTTGTATTTCCACCTGGAATGGAATCTACAGATGTGCCCCA 4716
Qy 933 AAAATATCAATATGTTGGAATTTTCTGTCCCTTTAATGATATGATGTGATCAATGAAA 992
Db 4717 GATTAAGCCGAACCTGAGTATTTACAAATTCCTTACTCAGGCTGCGGACCTTAAAGA 4776
Qy 993 GGTAGAAGATCAGTCAATTAATCTTACACCAATTAATCACTTTTGTGATCCTCAACTTC 1052
Db 4777 GGCACATATGACACATCTGACTATTTCCACTTCTCAGAGAGTGTCTCA-----CG 4830
Qy 1053 TGAAGTATCAACCGTCAAAAACAATCCAGATTATTTGAGAGTGAATGGAACATTA 1112
Db 4831 TGGCATCATCAAGAGAGGAGACAGACCTCGTATTCACGTACAGTGCAGAAATGCTTCA 4890
Qy 1113 TTCTACATGAGATATATATATACATCAAGAGATATGATTAATCAAAATGCAATGCACT 1172
Db 4891 CACCTGGGTGACACCAATGATATGCTTAATGACACATCAAGTGTGTAATTAACACAT 4950
Qy 1173 -----GGCAATATTAACACCAAGTGTCTTTTGAATCCA 1211
Db 4951 CCAAGTCAAGAGATCTCAGTATGCAATTTGACGTGAACATTTCTTTATATCTCTC 5010
Qy 1212 TTCAATTTAAAAAGTATATCTTAATCAACATATATGATTTGAACCAAACTCTTTT 1271
Db 5011 ATCTTCTTGTATCTGTGACAGCGGCTTACTAGTGAACATGAAACAGGACTTGA 5070
Qy 1272 TGTTAAGTATGTGCAACACTCATGATCAAAATTTGTGTGTCTTGTATCTGTAG 1331
Db 5071 GGTGAGGCTGAATCTTCAATCTGATGCTGTACTGACCTGTGTTGTGGAACCTGCGT 5130
Qy 1332 AGCCTCTCC---CACCTGACTTGGATCTCAACCTACAGACCTTATCAAGAGTGA 1388
Db 5131 GGCATCAACATCTCAATGATCTTCAAGCTTGTGACTTATGATCTTAATCCGAGTGA 5190
Qy 1389 TAGTGAAGATGAATCTTGAAGTGTATCCCTTA---TTTGAACATAAGGAGATTCGA 1445
Db 5191 CGTGAAGATGACACTTACAGGACCTTACTCTCGCGCTCTTGTGCAATTTGCCGCTTCG 5250
Qy 1446 GTTATATCCTTTAAATTTTGAAGATGAGCTGTGTATCTGCAAGTGAAGTTT 1505
Db 5251 GTTCAGGCTTTCACCTTCTGAACCGGCTTCCCTCCGTGATACCTGCTGTAATATGT 5310
Qy 1506 GATATGTATGACAGTGAACCAACAGTCTGCTGCAATTAAGTGTGTCTCCAGAGCA 1565
Db 5311 GGTGTGAGAGGTATGACCTCTTCCGCTGTACAGAGCTGTGTGTGAGGTGGA 5370
Qy 1566 ACGAGACATTTCTTATATATGAAAAAGATTCATATGAGACCCATTTGCTGAA 1625
Db 5371 GAGGATGTGGGCTCTTACAGAAAAAGGTGACGTCTCTGGGTCCCATTCAGCTGCA 5430
Qy 1626 AA 1627
Db 5431 GA 5432

RESULT 15

US-09-341-587-2
; Sequence 2, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan

QY 121 AATATGGAGAGACCCAGAAAGCCATGATCTCTGCACTCAATCCAGATGAGAACTGCAAC 180
 DB 121 AATATGGAGAGACCCAGAAAGCCATGATCTCTGCACTCAATCCAGATGAGAACTGCAAC 180
 QY 181 TGAACAATGAGAAAGACAGAAAGCAAAAGCATCAGAAATTAATCTTTTCTTATGTCAGCTT 240
 DB 181 TGAACAATGAGAAAGACAGAAAGCAAAAGCATCAGAAATTAATCTTTTCTTATGTCAGCTT 240
 QY 241 GATCAGATGAGAAAGCTGTGAAAGTGAAGAAACCTTAAAGTCTTGAAGCAAGCTCCAGCAAT 300
 DB 241 GATCAGATGAGAAAGCTGTGAAAGTGAAGAAACCTTAAAGTCTTGAAGCAAGCTCCAGCAAT 300
 QY 301 GGGGCTCTGTAGGGGCAAGCTGTGCAAGTAAAGCAATATGTTCCGTATTTGAATCAATCA 360
 DB 301 GGGGCTCTGTAGGGGCAAGCTGTGCAAGTAAAGCAATATGTTCCGTATTTGAATCAATCA 360
 QY 361 TCCAGTACATTTGACGTTTCAAAATGTTACTGACTCAGCAAGAAATTCAGAAAGCTGTCTT 420
 DB 361 TCCAGTACATTTGACGTTTCAAAATGTTACTGACTCAGCAAGAAATTCAGAAAGCTGTCTT 420
 QY 421 GTCTTCTACTACTTCTCTCTCCATCATCTATTCCTTCAAACTGTGGCGTTACTGTGAT 480
 DB 421 GTCTTCTACTACTTCTCTCTCCATCATCTATTCCTTCAAACTGTGGCGTTACTGTGAT 480
 QY 481 ACCCTTGAAGAGATCTTCTCACAGCCCAATTAACCAAGCCGCACTCTGAGCTGGCTTAT 540
 DB 481 ACCCTTGAAGAGATCTTCTCACAGCCCAATTAACCAAGCCGCACTCTGAGCTGGCTTAT 540
 QY 541 TGTGTGTGGGACATATCAAGTGAAGAAAGATTAACAAGTAAACTTAACTTCAAGAAAT 600
 DB 541 TGTGTGTGGGACATATCAAGTGAAGAAAGATTAACAAGTAAACTTAACTTCAAGAAAT 600
 QY 601 TTCTTGAAGAAATAGACAAACAGTGCATATTTGATTTTCTTCCATCTATGATGAGCCCTCC 660
 DB 601 TTCTTGAAGAAATAGACAAACAGTGCATATTTGATTTTCTTCCATCTATGATGAGCCCTCC 660
 QY 661 ACCAATCTGGGCGCTGTGAGCAAGTCTGTGGCCGTGTGACTCCACTTTCAGATGTCA 720
 DB 661 ACCAATCTGGGCGCTGTGAGCAAGTCTGTGGCCGTGTGACTCCACTTTCAGATGTCA 720
 QY 721 TCAAACTCTGTGACTGTGCTGTGCTACAGATTAATGCCAATTTCTTACCGGGGATTTTCT 780
 DB 721 TCAAACTCTGTGACTGTGCTGTGCTACAGATTAATGCCAATTTCTTACCGGGGATTTTCT 780
 QY 781 GCTTCTTACACTCTCAATTTATGAGAAACATCAACACTTAACTTAACTTAACTTAACTTAACT 840
 DB 781 GCTTCTTACACTCTCAATTTATGAGAAACATCAACACTTAACTTAACTTAACTTAACTTAACT 840
 QY 841 GACAGATGAGAGTATTTATTAAGCAAAATCTCTACCTTGAAGGCTTTTAACTTAACTTAACT 900
 DB 841 GACAGATGAGAGTATTTATTAAGCAAAATCTCTACCTTGAAGGCTTTTAACTTAACTTAACT 900
 QY 901 AACTTGAACCTTAAAGACCCAACTTGCAGAACCAAAATTAATCAAAATGTTGAGATTTTCT 960
 DB 901 AACTTGAACCTTAAAGACCCAACTTGCAGAACCAAAATTAATCAAAATGTTGAGATTTTCT 960
 QY 961 GTCCCTCTTAAATGAGTGTGTAATTCAGAAAGTGAAGATCAATCAATTAATTAATTAATTAAT 1020
 DB 961 GTCCCTCTTAAATGAGTGTGTAATTCAGAAAGTGAAGATCAATCAATTAATTAATTAATTAAT 1020
 QY 1021 AATATTAATCACTTTTCTGACATCTCACTTGAAGTGAAGTCAAGGCTTGAAGTCAAGGCTT 1080
 DB 1021 AATATTAATCACTTTTCTGACATCTCACTTGAAGTGAAGTCAAGGCTTGAAGTCAAGGCTT 1080
 QY 1081 CAGATTTATGAGAGTGTGAAATGGAACATTAATTTCTACAGTGAAGATTAATTAATTAATTAAT 1140
 DB 1081 CAGATTTATGAGAGTGTGAAATGGAACATTAATTTCTACAGTGAAGATTAATTAATTAATTAAT 1140
 QY 1141 GAAGATGATGTAATTAACAAGTCAAAATGCACTGGGCAAAATTAACAACAGATGAGCTTCTT 1200
 DB 1141 GAAGATGATGTAATTAACAAGTCAAAATGCACTGGGCAAAATTAACAACAGATGAGCTTCTT 1200
 QY 1201 TTGGAATCCAAATTAATTTGAAAAGACTATTAATTAATTAATTAATTAATTAATTAATTAAT 1260

DB 1201 TTGGAATCCAAATTAATTTGAAAAGACTATTAATTAATTAATTAATTAATTAATTAATTAAT 1260
 QY 1261 CAAACTCTTTTGTTCAGATTAATGCTGACACACTGACATCCAAATTTGAGTGTGTTCTT 1320
 DB 1261 CAAACTCTTTTGTTCAGATTAATGCTGACACACTGACATCCAAATTTGAGTGTGTTCTT 1320
 QY 1321 GATACCTGTAGAGCCCTCCCACTCTGACCTTGTGATCTTCAACCTTACAGCTTAATCAAG 1380
 DB 1321 GATACCTGTAGAGCCCTCCCACTCTGACCTTGTGATCTTCAACCTTACAGCTTAATCAAG 1380
 QY 1381 AGTGAATGATGTGAGATGAAACTTGTAAAGTATCCCTTATTTGACACTATGAGGAGA 1440
 DB 1381 AGTGAATGATGTGAGATGAAACTTGTAAAGTATCCCTTATTTGACACTATGAGGAGA 1440
 QY 1441 TTCCAGTTTAAAGCCCTTTTAAATTTCTTGAAAGTATGAGCTCTGTGATCTGCACTGTAAA 1500
 DB 1441 TTCCAGTTTAAAGCCCTTTTAAATTTCTTGAAAGTATGAGCTCTGTGATCTGCACTGTAAA 1500
 QY 1501 GTTTGATATGTGATGAGAGTGAACCAAGCTGTGCAATCAAGGTTGTCTCCAGA 1560
 DB 1501 GTTTGATATGTGATGAGAGTGAACCAAGCTGTGCAATCAAGGTTGTCTCCAGA 1560
 QY 1561 AGCAAAAGAGACATTTCTTCAATTAATGAGAAACAGATTCATCATAGAACCAATTCGT 1620
 DB 1561 AGCAAAAGAGACATTTCTTCAATTAATGAGAAACAGATTCATCATAGAACCAATTCGT 1620
 QY 1621 CTGAAAAGGAGATTCGAAGTGAAGTGGCAATTCAGAAATTTGAGATGAGAAACAGATTCGT 1680
 DB 1621 CTGAAAAGGAGATTCGAAGTGAAGTGGCAATTCAGAAATTTGAGATGAGAAACAGATTCGT 1680
 QY 1681 GAAATCTCAAAACAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTAGCTCTG 1740
 DB 1681 GAAATCTCAAAACAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGTTCTAGCTCTG 1740
 QY 1741 AATGTGTGATGTGAGAGACAAATGACAGTGAAGATTTTGAATTAATCAAGGGAGACTAC 1800
 DB 1741 AATGTGTGATGTGAGAGACAAATGACAGTGAAGATTTTGAATTAATCAAGGGAGACTAC 1800
 QY 1801 AATATCAAGAGCTGAGAACTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1860
 DB 1801 AATATCAAGAGCTGAGAACTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1860
 QY 1861 TCCAGATGCGCAAGGAAATGCTACCTGCTGCTACATATTAATTAATTAATTAATTAATTAAT 1920
 DB 1861 TCCAGATGCGCAAGGAAATGCTACCTGCTGCTACATATTAATTAATTAATTAATTAATTAAT 1920
 QY 1921 GGCTGAAAGTGAACACAGGCTGTGATGCAAAATTAATTAATTAATTAATTAATTAATTAAT 1980
 DB 1921 GGCTGAAAGTGAACACAGGCTGTGATGCAAAATTAATTAATTAATTAATTAATTAATTAAT 1980

RESULT 2
 US-09-909-320-189
 ; Sequence 189, Application US/09909320
 ; Patent No. US20020132240A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Baton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Geo, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerlitsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillen, Kenneth, J.

```
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,330
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-320-189

Query Match      98.9%; Score 1944.4; DB 9; Length 2917;
Beet Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGGCTTTGAAGAGGCTCATGCGATTTGACCCCTTAATTTCTCTCGTTTGGC 60
DB 960 CAAATGAGGCTTTGAAGAGGCTCATGCGATTTGACCCCTTAATTTCTCTCGTTTGGC 1019
QY 61 GGA-CTGACATGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTTAGGGGGTGC 119
DB 1020 GGAAGCTGACATGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTTAGGGGGTGC 1079
QY 120 CAATTTGGCAGAGACCCCAAGCCATGATCTTGCAATCTCAATCCCAAGTGAAGACTGCAC 179
DB 1080 CAATTTGGCAGAGACCCCAAGCCATGATCTTGCAATCTCAATCCCAAGTGAAGACTGCAC 1139
QY 180 CTGACATAGAAAGACCAAGAAACAAAGCATGCAATATCTTTCTTATGTCAGCT 239
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DB 1140 CTGACATAGAAAGACCAAGAAACAAAGCATGCAATATCTTTCTTATGTCAGCT 1199
QY 240 TGATCAGATGGAAGCTGTGAAAGTGAAGACCTTTTGAACGAACTCCAGCAA 299
DB 1200 TGATCAGATGGAAGCTGTGAAAGTGAAGACCTTTTGAACGAACTCCAGCAA 1259
QY 300 TGGGCTCTGCTAGGGCAAGTGTGCAAGTGAAGAAACGATGATGTTCTGTATTTGAATCAGC 359
DB 1260 TGGGCTCTGCTAGGGCAAGTGTGCAAGTGAAGAAACGATGATGTTCTGTATTTGAATCAGC 1319
QY 360 ATCCAGTACATGAGGTTCAATAGTACTGAGCAAGAAATTCAGAAAGACTGTCTT 419
DB 1320 ATCCAGTACATGAGGTTCAATAGTACTGAGCAAGAAATTCAGAAAGACTGTCTT 1379
QY 420 TGTCTTTCTAATCTTCTCTCTCTAATCTCTAATTCCAAACTGTGGCGTTACCTGGA 479
DB 1380 TGTCTTTCTAATCTTCTCTCTCTAATCTCTAATTCCAAACTGTGGCGTTACCTGGA 1439
QY 480 TACCTTGAAGGATCTTCCACAGCCCAATTAACCAAGCCGATCCCTGAGCTGGCTTA 539
DB 1440 TACCTTGAAGGATCTTCCACAGCCCAATTAACCAAGCCGATCCCTGAGCTGGCTTA 1499
QY 540 TTGTGTGGCAGATACAGAGTGAAGAAAGATTACAAATTAACCTTAAGAGAT 599
DB 1500 TTGTGTGGCAGATACAGAGTGAAGAAAGATTACAAATTAACCTTAAGAGAT 1559
QY 600 TTTCTTGAATAGACAAACAGTGAATTTGATTTCTTGGCATCTATGATGCGCCCTC 659
DB 1560 TTTCTTGAATAGACAAACAGTGAATTTGATTTCTTGGCATCTATGATGCGCCCTC 1619
QY 660 CACCAACTCTGGCTGATTTGACAGTCTGTGGCCGTGTGACTCCCACTTGGATTCGTC 719
DB 1620 CACCAACTCTGGCTGATTTGACAGTCTGTGGCCGTGTGACTCCCACTTGGATTCGTC 1679
QY 720 ATCAAACTCTGAGTGTGTGTGTCTAAGATTAATGCAATCTTACCGGGGATTTTC 779
DB 1680 ATCAAACTCTGAGTGTGTGTGTCTAAGATTAATGCAATCTTACCGGGGATTTTC 1739
QY 780 TGTCTTCTAATCTTGAATTTAGCAAAACATCAACCTAATCTTAACTTGTCTTTC 839
DB 1740 TGTCTTCTAATCTTGAATTTAGCAAAACATCAACCTAATCTTAACTTGTCTTTC 1799
QY 840 TGACAGATGAGATTAATTAAGCAATCTTACTAAGGTTTAACTTAATGAGAA 899
DB 1800 TGACAGATGAGATTAATTAAGCAATCTTACTAAGGTTTAACTTAATGAGAA 1859
QY 900 TAACTTGAACCTTAAGAACCCCACTTGCAGACCAAAATTAATCAATGTTGGAATTTTC 959
DB 1860 TAACTTGAACCTTAAGAACCCCACTTGCAGACCAAAATTAATCAATGTTGGAATTTTC 1919
QY 960 TGTCCCTCTTAATGATGTGTACATCAAGAAAGGTAGAGATCAGTCAATTAATTAAC 1019
DB 1920 TGTCCCTCTTAATGATGTGTACATCAAGAAAGGTAGAGATCAGTCAATTAATTAAC 1979
QY 1020 CAATTAATCACTTTTCTGATCTCTCAATCTTGAATGATCAACCCCTGAGAACT 1079
DB 1980 CAATTAATCACTTTTCTGATCTCTCAATCTTGAATGATCAACCCCTGAGAACT 2039
QY 1080 CCAGATTAATGAGAGTGAAGATGAGCATTAATCTCAAGTGAAGATTAATCAATAC 1139
DB 2040 CCAGATTAATGAGAGTGAAGATGAGCATTAATCTCAAGTGAAGATTAATCAATAC 2099
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DB 2100 AGAAGATGATTAATTAAGAGTCAAAATGCACTGGGCAATTAACACACAGATGGCTCT 2159
QY 1200 TTTTGAATCAATTAATTTGAAAAAGATTAATCTTAATCAATTAATTAATGAGATTTGAA 1259
DB 2160 TTTTGAATCAATTAATTTGAAAAAGATTAATCTTAATCAATTAATTAATGAGATTTGAA 2219
QY 1260 CCAAACTCTTTTGTGAAGTTAGTCTGACACCTCAGATCAAAATTTGTGTGTCTTCT 1319
DB 2220 CCAAACTCTTTTGTGAAGTTAGTCTGACACCTCAGATCAAAATTTGTGTGTCTTCT 2279
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QY	1320	TGATACCTGAGAGCCCTCCACCCCTGACCTTGGATCTTCCAACTTACAGACCTTATCA	137/9
Db	2280	TGATACCTGAGAGCCCTCCACCCCTGAGCTTTGGATCTTCCAACTTACAGACCTTATCA	233/9
QY	1380	GAGTGGATGTAGTCGAGATGAAACTTGTAAAGGTGATCCCTTATTTGGACACTATGGAG	143/9
Db	2340	GAGTGGATGTAGTCGAGATGAAACTTGTAAAGGTGATCCCTTATTTGGACACTATGGAG	239/9
QY	1440	ATTCCAGTTTAAATGCTTTAAATTTCTTGAAGATAGAGCTCTGTGATCTCGACGTGTA	149/9
Db	2400	ATTCCAGTTTAAATGCTTTAAATTTCTTGAAGATAGAGCTCTGTGATCTCGACGTGTA	245/9
QY	1500	AGTTTGGATATGTGATGATGACAGTGAACAACAGTCTGCTGCAATCAAGGTGTGTCCAG	155/9
Db	2460	AGTTTGGATATGTGATGATGACAGTGAACAACAGTCTGCTGCAATCAAGGTGTGTCCAG	251/9
QY	1560	AAGCAAAACGAGACATTTCTTCATATTAATGAAAAACAGATTCATCATAGAGCCCATTCG	161/9
Db	2520	AAGCAAAACGAGACATTTCTTCATATTAATGAAAAACAGATTCATCATAGAGCCCATTCG	257/9
QY	1620	TCTGAAAAAGGATTCGAAAGTCGAAGTGGCAATTCAGAGATTTTACGACTGAAACAATCGGA	167/9
Db	2580	TCTGAAAAAGGATTCGAAAGTGGCAAGTGGCAATTCAGAGATTTTACGACTGAAACAATCGGA	263/9
QY	1680	AGAAACTCCAAACGAGCCTTTTCAACAGTGTGATCTGTTTCTTCTCATAGTTCAGAGCT	173/9
Db	2640	AGAAACTCCAAACGAGCCTTTTCAACAGTGTGATCTGTTTCTTCTCATAGTTCAGAGCT	269/9
QY	1740	GATGTGTGTGACTGTAGAGCAACAATCAGAGTAGAGCATTTTGTAAATCAACGGGAGACTA	179/9
Db	2700	GATGTGTGTGACTGTAGAGCAACAATCAGAGTAGAGCATTTTGTAAATCAACGGGAGACTA	275/9
QY	1800	CAATATCCAGAAAGCTGCGAAACTTATTAATAACAGTCCAAACCTTAAGTAGACATGTT	185/9
Db	2760	CAATATCCAGAAAGCTGCGAAACTTATTAATAACAGTCCAAACCTTAAGTAGACATGTT	281/9
QY	1860	CTCCAGATGCGAAAGAAATGCTACCTCGAGGCTAACACATATTAATTAATTAAGAGAA	191/9
Db	2820	CTCCAGATGCGAAAGAAATGCTACCTCGAGGCTAACACATATTAATTAATTAAGAGAA	287/9
QY	1920	GGGCTGTAATAATGACACACAGGCTTCGACTGTCAAAAAA	195/7
Db	2880	GGGCTGTAATAATGACACACAGGCTTCGACTGTCAAAAAA	291/7

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QY	300	TGGGCGCTCGTCAAGGCAAGCTCGAGAGTAAACACATATGCTCTGATATTGAATCANC	359
Db	1260	TGGGCGCTCGCTAGGGCGAAGCTGGAGTAAACACATATGCTCTGATATTGAATCANC	1319
QY	360	ATCCAGTACATTGACGTTTCCAAATAGTACTGACTCAGACAGAAATTCAAAGACGTCTT	419
Db	1320	ATCCAGTACATTGACGTTTCCAAATAGTACTGACTCAGACAGAAATTCAAAGACGTCTT	1379
QY	420	TGTCCTTCTACTACTTCTTCTCTCTTACATCTCTATTCGAACTGTGGCGTTACTGGA	479
Db	1380	TGTCCTTCTACTACTTCTTCTCTCTTACATCTCTATTCGAACTGTGGCGTTACTGGA	1439
QY	480	TACCTTGGAAAGATCCCTTCAACAGGCCCAATTACCGAAACCGGCACTCTGAGCTGGCTTA	539
Db	1440	TACCTTGGAAAGATCCCTTCAACAGGCCCAATTACCGAAACCGGCACTCTGAGCTGGCTTA	1499
QY	540	TTGTGTGTGGCACAATACAGTGGAGAAAGATTACAAGATTAACATACTTCAAAGAGAT	599
Db	1500	TTGTGTGTGTGGCACAATACAGTGGAGAAAGATTACAAGATTAACATACTTCAAAGAGAT	1559
QY	600	TTTCCCTAAGAAATAGCAAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	659
Db	1560	TTTCCCTAAGAAATAGCAAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	1619
QY	660	CACCAACCTCTGGCCCTGATTGGACAGTCTGTGGCCGCTGTGACTCCACCTTGCATTCGTC	719
Db	1620	CACCAACCTCTGGCCCTGATTGGACAGTCTGTGGCCGCTGTGACTCCACCTTGCATTCGTC	1679
QY	720	ATCAAACTCTCGACTGTCTGTGTGTTCTTACAGATTATGCAATTCTTACCGGGGATTTTC	779
Db	1680	ATCAAACTCTCTGACTGTCTGTGTGTTCTTACAGATTATGCAATTCTTACCGGGGATTTTC	1739
QY	780	TGCTTCTTACACCTTCAATTTTATGCGAAACATCAACCTACATCTTTAATCTTCTCTTC	839
Db	1740	TGCTTCTTACACCTTCAATTTTATGCGAAACATCAACCTACATCTTTAATCTTCTCTTC	1799
QY	840	TGACAGAGTGAAGATTATTATPAGCAATTCCTACTAGAGGCTTTTAATCTTATGGGAA	899
Db	1800	TGACAGAGTGAAGATTATTATPAGCAATTCCTACTAGAGGCTTTTAATCTTATGGGAA	1859
QY	900	TAACTTGGCACTTAAAGACCCCACTTGGAGACCAAAATTATCAATGTGTGGAAATTTTC	959
Db	1860	TAACTTGGCACTTAAAGACCCCACTTGGAGACCAAAATTATCAATGTGTGGAAATTTTC	1919
QY	960	TGTCCCTCTTAATGAGATGTGTACATCAGAAAGGTAGAAAGTCAATCAATTACTTACAC	1019
Db	1920	TGTCCCTCTTAATGAGATGTGTGTACATCAGAAAGGTAGAAAGTCAATCAATTACTTACAC	1979
QY	1020	CAATTAATTAACCTTTTCTTGATCCTCAACTTGTGAAGTATCAACCGCTCGAAGAACACT	1079
Db	1980	CAATTAATTAACCTTTTCTTGATCCTCAACTTGTGAAGTATCAACCGCTCGAAGAACACT	2039
QY	1080	CCAGATTATTGGAAGTGTGAAATGGGACATTAATCTTACAGTGGAGATTAATTAATACATAAC	1139
Db	2040	CCAGATTATTGGAAGTGTGAAATGGGACATTAATCTTACAGTGGAGATTAATTAATACATAAC	2099
QY	1140	AGAAGATGATGTAAATACAAAGTCAAAATGACCTGGGCAAAATTAACACACAGATAGGCTCT	1199
Db	2100	AGAAGATGATGTAAATACAAAGTCAAAATGACCTGGGCAAAATTAACACACAGATAGGCTCT	2159
QY	1200	TTTGTGAATCAATTCATTTGAAAGACTATACCTTGAATCAACATATTAATGTGGAAATTGGAA	1259
Db	2160	TTTGTGAATCAATTCATTTGAAAGACTATACCTTGAATCAACATATTAATGTGGAAATTGGAA	2219
QY	1260	CCAAACCTCTTTTGTTCAGATTAGTGTGACACCTGACATCCGAAATTTGGTGTGTCT	1319
Db	2220	CCAAACCTCTTTTGTTCAGATTAGTGTGACACCTGACATCCGAAATTTGGTGTGTCT	2279
QY	1320	TGATACCTGTAGAGCTCTCCACCTCTGACTTGTGCATCTCCAACTTACGACTTAATCAA	1379
Db	2280	TGATACCTGTAGAGCTCTCTCCACCTCTGACTTGTGCATCTCCAACTTACGACTTAATCAA	2339
QY	1380	GAGTGTGATGTAGTGCAGATGAACCTTGTAAAGGTATCCCTTATTTGGACATATGGAG	1439

Db	2340	GAGTGGATGTAGTCGAGTGAATCTTGTAGGTTATCCCTTAATTTGGACATATGGGAG	23599
Qy	1440	ATTCGAGTTTAATGCTTTAAATCTTGAGAATGATGAGCTCTGTGTATCTGCAGTGA	14599
Db	2400	ATTCGAGTTTAATGCTTTAAATCTTGAGAATGATGAGCTCTGTGTATCTGCAGTGA	24559
Qy	1500	AGTTTGTATATGTATGATGACAGTGAACACAGCTCTGGCTGCAATCAAGTTGTCTCCAG	15559
Db	2460	AGTTTGTATATGTATGATGACAGTGAACACAGCTCTGGCTGCAATCAAGTTGTCTCCAG	25159
Qy	1560	AAGCAAAACGAGACATTTCTTCATATTAATGAAAACGATTCATCATAGAACCATTCG	16159
Db	2520	AAGCAAAACGAGACATTTCTTCATATTAATGAAAACGATTCATCATAGAACCCATTCG	25759
Qy	1620	TCTGAAAAAGGATGGAAGTGCAGTAATGGCAATTCAGATTTCAGATGTAACATCTGGGA	16759
Db	2580	TCTGAAAAAGGATGGAAGTGCAGTAATGGCAATTCAGATTTCAGATGTAACATCTGGGA	26359
Qy	1680	AGAAATCTCCAAACGAGCCTTCAACAGTGTGCATCTGTCTTTCCTCATNGTCTTAGGCT	17359
Db	2640	AGAAATCTCCAAACGAGCCTTCAACAGTGTGCATCTGTCTTTCCTCATNGTCTTAGGCT	26959
Qy	1740	GAATGTGTGCTACTGTAGCGACAATCACAGTGGAGCATTTGTATTAATCAACGGGACAGCTA	17959
Db	2700	GAATGTGTGCTACTGTAGCGACAATCACAGTGGAGCATTTGTATTAATCAACGGGACAGCTA	27559
Qy	1800	CAAAATACACAGAGCTGCAGAACTATTAACTPAACAGTCCAAACCTTAAGTGAAGCATGTT	18559
Db	2760	CAAAATACACAGAGCTGCAGAACTATTAACTPAACAGTCCAAACCTTAAGTGAAGCATGTT	28159
Qy	1860	CTCCAGATGCTCAAAAGAAATGCTAACCTCGTGCTACACATATTAATTAATGAGGAA	19159
Db	2820	CTCCAGATGCTCAAAAGAAATGCTAACCTCGTGCTACACATATTAATTAATGAGGAA	28759
Qy	1920	GGGCTTAAGATGACACACAGGCTCGATGTCAAAAAA	1957
Db	2880	GGGCTTAAGATGACACACAGGCTCGATGTCAAAAAA	2917

RESULT 4
 US-09-905-291A-189
 Sequence 189, Application US/09905291A
 Patent No. US20020160374A1
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Bostein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Bilen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavrin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paonl, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ACIDS
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14

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; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
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; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-905-291A-189

Query Match      98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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QY      61 GGA-CTGACAAATGCGGAGGCTGGAAGGCAATGCAAGCTGACGCTAGGGGGTGC 119
DB      1020 GGAAGTGAACATGCGGAGGCTGGAAGGCAATGCAAGCTGACGCTAGGGGGTGC 1079
QY      120 CAATATGCGAGAGCCCAACAAAGCAATGATCTCTGCAACTCAATCCAGTGAAGACTGCAC 179
DB      1080 CAATATGCGAGAGCCCAACAAAGCAATGATCTCTGCAACTCAATCCAGTGAAGACTGCAC 1139
QY      180 CTGACAAATGAGAAACCAAGAAACAAAGATCAAGATTAATCTTTCTTATGTCAGGT 239
DB      1140 CTGACAAATGAGAAACCAAGAAACAAAGATCAAGATTAATCTTTCTTATGTCAGGT 1199
QY      240 TGATTCAGATGGAAGCTGTGAAGAGTGAAGAACTTAAAGCTTTTGAACGAACTCCAGCA 299
DB      1200 TGATTCAGATGGAAGCTGTGAAGAGTGAAGAACTTAAAGCTTTTGAACGAACTCCAGCA 1259
QY      300 TGGGCTCTGCTAGGGCAAGCTGTGCAATGAAGAAACGACATATGTTCTGTATTTGAATCATC 359
DB      1260 TGGGCTCTGCTAGGGCAAGCTGTGCAATGAAGAAACGACATATGTTCTGTATTTGAATCATC 1319
QY      360 ATCCAGTACATTTGACGTTTCAATATGTTACTGACTCAGCAAGATTCAGAAAGACTGTCTT 419
DB      |||
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DB      1320 ATCCAGTACATTTGACGTTTCAATATGTTACTGACTCAGCAAGATTCAGAAAGACTGTCTT 1379
QY      420 TGTCTTCTACTACTCTTCTTCTCTCTTAACATCTCTATTCGAAACCTGTGGCGGTACTCTGA 479
DB      1380 TGTCTTCTACTACTCTTCTTCTCTCTTAACATCTCTATTCGAAACCTGTGGCGGTACTCTGA 1439
QY      480 TACCTTGAAGAGATCTCTTCAACAGCCCAATTAACCAAGCCGATCTGTGAGCTGTGA 539
DB      1440 TACCTTGAAGAGATCTCTTCAACAGCCCAATTAACCAAGCCGATCTGTGAGCTGTGA 1499
QY      540 TTGTGTGTGGCAATCAATCAAGTGAAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 599
DB      1500 TTGTGTGTGGCAATCAATCAAGTGAAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGAT 1559
QY      600 TTTCTTGAAGATTAAGCAAAACAGTGAAGATTTGATTTTCTGTGCATCTATGATGGCCCTTC 659
DB      1560 TTTCTTGAAGATTAAGCAAAACAGTGAAGATTTGATTTTCTGTGCATCTATGATGGCCCTTC 1619
QY      660 CACCAACTCTGGGCTGATTTGGAAGAGTGTGGCCGTGTGACTCCACCTTCAATGCTC 719
DB      1620 CACCAACTCTGGGCTGATTTGGAAGAGTGTGGCCGTGTGACTCCACCTTCAATGCTC 1679
QY      720 ATCAAACTCTGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 779
DB      1680 ATCAAACTCTGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1739
QY      780 TGTCTTCTTACCTCAATTTATGCAAGAAACATCAACATCACTATCTTAACTTCTCTTC 839
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QY      840 TGACAGAGATGAGATTTATTAAGCAAAATCTTACTGAGGCTTTAACTTAACTTAACTTAACTTAA 899
DB      1800 TGACAGAGATGAGATTTATTAAGCAAAATCTTACTGAGGCTTTAACTTAACTTAACTTAACTTAA 1859
QY      900 TAACTTGAACATAAAGAGCCCACTGTGAGAGCAAAATTAATCAATGTGTGGAATTTTC 959
DB      1860 TAACTTGAACATAAAGAGCCCACTGTGAGAGCAAAATTAATCAATGTGTGGAATTTTC 1919
QY      960 TGTCCCTCTTAATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1019
DB      1920 TGTCCCTCTTAATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1979
QY      1020 CAATATTAATCACTTTTCTGATCCTCAACCTTCTGAGATGATCAACCCGTGAGAAACACT 1079
DB      1980 CAATATTAATCACTTTTCTGATCCTCAACCTTCTGAGATGATCAACCCGTGAGAAACACT 2039
QY      1080 CCAATTTATTTGAGATGTGAAGTGAAGATGGAATTAATTTCAAGTGAAGATTAATTAATCAAC 1139
DB      2040 CCAATTTATTTGAGATGTGAAGTGAAGATGGAATTAATTTCAAGTGAAGATTAATTAATCAAC 2099
QY      1140 AGAAGATGATGATTAATTAAGATGAAATGCACTGGGCAATTAATTAATTAATTAATTAATTAAT 1199
DB      2100 AGAAGATGATGATTAATTAAGATGAAATGCACTGGGCAATTAATTAATTAATTAATTAATTAAT 2159
QY      1200 TTTTGAATTCATTTGATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1259
DB      2160 TTTTGAATTCATTTGATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2219
QY      1260 CCAACTCTTTTGTGTAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1319
DB      2220 CCAACTCTTTTGTGTAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2279
QY      1320 TGATACCTGTAGAGGCTCTCCGACCTGTACCTTGTGATCTCAACCTTGAAGACTTAATCA 1379
DB      2280 TGATACCTGTAGAGGCTCTCTCCGACCTGTACCTTGTGATCTCAACCTTGAAGACTTAATCA 2339
QY      1380 GAGTGAATGATGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1439
DB      2340 GAGTGAATGATGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2399
QY      1440 ATTCCAGTTTAAAGCTTTAAATTTCTTGAAGATTAAGCTTGTGTATCTGCACTGTAA 1499
DB      2400 ATTCCAGTTTAAAGCTTTTAAATTTCTTGAAGATTAAGCTTGTGTATCTGCACTGTAA 2459
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Db 1440 TACCTGGAGAGATCTTCACACAGGCCAATTACCCAAAGCCGATCTGAGCTGGCTTA 1499
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Db 1500 TTGTGTGTGGACATACAGATGGAGAAAGATTACAGAGATTAACAACTTCAAGAGAT 1559
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QY 600 TTTCCTGAATTAACAAACAGGTGAAATTTGATTTTCTTGCCATCTATGATGGCCCTC 659
| | | | |
Db 1560 TTTCCTGAATTAACAAACAGGTGAAATTTGATTTTCTTGCCATCTATGATGGCCCTC 1619
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QY 660 CACCAACTCTGGCCCTGATTTGGACAAAGTCTGGCCGCTGATCTCCACCTTCGAAATGTC 719
| | | | |
Db 1620 CACCAACTCTGGCCCTGATTTGGACAAAGTCTGGCCGCTGATCTCCACCTTCGAAATGTC 1679
| | | | |
QY 720 ATCAAATCTCTGATCTGTCTGTGTCTACAGATTATGCAATTTCTTACCGGGGATTTTC 779
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QY 780 TGGTCTCTACACCTCAATTTATGCAAAACATGACATCACTTAACTTGTCTTTC 839
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Db 1920 TGTCCCTTTAATGATGTGTGTAACAATCAGAAAGTGAAGATCAAGTCAATTAACAC 1979
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Db 2040 CCAGATTATTTGAAATGTGAATGGGACATAATTTCTACAGTGAAGATAATACATAAC 2099
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Db 2100 AGAAGATGATGATACAAAGTCAAAATGCACTGGGCAAAATTAACAGCAGATGCTCT 2159
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QY 1200 TTTTGAATCCAAATTCATTTGAAAGCTATCTGATGATCAACCATTTATGATGATTTGA 1259
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Db 2160 TTTTGAATCCAAATTCATTTGAAAGCTATCTGATGATCAACCATTTATGATGATTTGA 2219
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QY 1260 CCAAACTCTTTTGTGAAGTATGCTGACACCTCAGATCCAAATTTTGTGTGTCT 1319
| | | | |
Db 2220 CCAAACTCTTTTGTGAAGTATGCTGACACCTCAGATCCAAATTTTGTGTGTCT 2279
| | | | |
QY 1320 TGAATCTGTAGAGCTCTCCACCTCTGATCTTGTGATCTCAACCTTACAGCTTAATCA 1379
| | | | |
Db 2280 TGAATCTGTAGAGCTCTCCACCTCTGATCTTGTGATCTCAACCTTACAGCTTAATCA 2339
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Db 2400 ATTCCAGTTTAATGCTTTTAAATTTTGAAGATGAGCTCTGTATCTGCAAGTATTA 2459
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| | | | |
Db 2460 AGTTTGAATGATGATGAGACCAAGTCTGCTGCAATCAAGTGTGTGTCCAG 2519
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Db 2520 AAGCAAAAGAGACATTTCTTCAATTAATTAATGAAAAAGATTCATCATAGAACCATTCG 2579
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| | | | |
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| | | | |
Db 2700 GAATGTGTGACTGTGACCAATCAATCAAGTGAAGCAATTTTGAATCAACGGGACACTA 2759
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QY 1860 CTCAGAGATGCCAAAGAAATGCTACCTGCTGCTACACATATTAATGAAATGAGAA 1919
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Db 2820 CTCAGAGATGCCAAAGAAATGCTACCTGCTGCTACACATATTAATGAAATGAGAA 2879
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QY 1920 GGGCTGAAAGTGAACACACAGGCTGCTGCTCAAAAAA 1957
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Db 2880 GGGCTGAAAGTGAACACACAGGCTGCTGCTCAAAAAA 2917
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RESULT 6

US-09-907-824-189

; Sequence 189, Application US/09907824

; Publication No. US20020197671A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijaviri, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo Sapien
US-09-907-824-189

Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

1 CAAATGGAGCTTTGAAGAGGCTCATGCGATTCGACCCCTTAATCTCTCTGTTGGC 60
Db 960 CAAATGGAGCTTTGAAGAGGCTCATGCGATTCGACCCCTTAATCTCTCTGTTGGC 1019
61 GGA-CTGACATGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGCTGC 119
Db 1020 GGAAGTGAAGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGCTGC 1079
120 CAATATGGCAGAGCCCAAGGCAATGCTCTGCACTCAATCCAGTGAAGACTGCAC 179
Db 1080 CAATATGGCAGAGCCCAAGGCAATGCTCTGCACTCAATCCAGTGAAGACTGCAC 1139
180 CTGGCAATGAGAAAGCAAGAAAGCAATGCAATTAATCTTTCTATATGTCAGCT 239
Db 1140 CTGGCAATGAGAAAGCAAGAAAGCAATGCAATTAATCTTTCTATATGTCAGCT 1199
240 TGATCCAGATGGAAGCTGTGAAGTGAAGAAATTAAGTCTTGAAGGAACTCCAGCA 299
Db 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGAAATTAAGTCTTGAAGGAACTCCAGCA 1259
300 TGGGCTCTGCTAGGGCAAGTCTGCAATGAAGCAATATGTTCTGTATTTGAATCATC 359
Db 1260 TGGGCTCTGCTAGGGCAAGTCTGCAATGAAGCAATATGTTCTGTATTTGAATCATC 1319
360 ATCCAGTCAATGAGCTTTCAATAGTATCTGATCTGAGAAATTAAGAACTGTCTT 419
Db 1320 ATCCAGTCAATGAGCTTTCAATAGTATCTGATCTGAGAAATTAAGAACTGTCTT 1379
420 TGTCTTCTACTACTTCTCTCTCTAATCTCTATTCGAAGTGGGCGTTACTGGA 479
Db 1380 TGTCTTCTACTACTTCTCTCTCTAATCTCTATTCGAAGTGGGCGTTACTGGA 1439
480 TACCTTGAAGGATCTTCAAGCCCAATTAACCAAGGCGCATCTGAGCTGGCTTA 539
Db 1440 TACCTTGAAGGATCTTCAAGCCCAATTAACCAAGGCGCATCTGAGCTGGCTTA 1499

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Db 1500 TTGTGTGGGCAATACAGTGAAGAAAGTTTAAAGATTAATTAATCTTAAGAGAT 1559
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Db 1560 TTTCTAGAAATGACAAACAGTGAAGTATTTCTTGCATCTATGATGCCCCC 1619
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Db 1800 TGACAGATGAGATTTATTAAGCAATCTTACCTAGAGCTTTTAATCTTAATGGAA 1859
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Db 1860 TAACTTGAACCTAAAGACCCCACTTGCAGACCAAAATTAATGAATGTTGGAATTC 1919
960 TGTCCCTCTTAATGATGTGATCAATCAAGAGTGAAGATCAATCAATTAATCAAC 1019
Db 1920 TGTCCCTCTTAATGATGTGATCAATCAAGAGTGAAGATCAATCAATTAATCAAC 1979
1020 CAATATTAACCTTTCTGCAATCTCTCAAGTATCAACCGTCAAGAAACACT 1079
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1080 CCAGATTAATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
Db 2040 CCAGATTAATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099
1140 AGAATGATGATTAATACAAAGTCAAAATGCACTGGGCAATTAATCAACAGATGCT 1199
Db 2100 AGAATGATGATTAATACAAAGTCAAAATGCACTGGGCAATTAATCAACAGATGCT 2159
1200 TTTGAATCAATTAATTAAGAAAGATTAATTAATTAATTAATTAATTAATTAATTA 1259
Db 2160 TTTGAATCAATTAATTAAGAAAGATTAATTAATTAATTAATTAATTAATTAATTA 2219
1260 CCAACTCTTTTGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1319
Db 2220 CCAACTCTTTTGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2279
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Db 2280 TGATATCTGTAGAGCTCTCCCACTTGAATTTGATCTTCAACTGAGCTTAATCA 2339
1380 GAGTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1439
Db 2340 GAGTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2399
1440 ATTCAGATTAATGCTTTAAATTTTGAAGATTAAGTCTGTGTATCTGCAATGGA 1499
Db 2400 ATTCAGATTAATGCTTTAAATTTTGAAGATTAAGTCTGTGTATCTGCAATGGA 2459
1500 AGTTTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1559
Db 2460 AGTTTGAATGTAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2519
1560 AAGCAAGAGATTTCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1619
Db 2520 AAGCAAGAGATTTCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2579
1620 TGTGAAGAGATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1679

Db 2580 TCTGAAAGGATGCAAGTGAAGTGGCAATTCAGAGATTCAGCATGAAACATGCGCA 2639
Qy 1680 AGAACTCCAAACCGACCTTTCAACAGTGTGATCTGTTCTTCAAGTTCAGCT 1739
Db 2640 AGAACTCCAAACCGACCTTTCAACAGTGTGATCTGTTCTTCAAGTTCAGCT 2699
Qy 1740 GAATGTGTGATCTGATGAGCAATCAAGTGGAGGATTTTGAATCAACGGGAGACTA 1799
Db 2700 GAATGTGTGATCTGATGAGCAATCAAGTGGAGGATTTTGAATCAACGGGAGACTA 2759
Qy 1800 CAAATACCAAGGCTGACAGAACTATTACTTAACAGTCCAAACCCAAAGTGAAGACTTT 1859
Db 2760 CAAATACCAAGGCTGACAGAACTATTACTTAACAGTCCAAACCCAAAGTGAAGACTTT 2819
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Db 2820 CTCAGAGTCCAAAGGAATGCTACCTGTGGCTACACATATTAATGAATGAGGAA 2879
Qy 1920 GGGCTGAAAGTGAACACAGGCTGATGTCATCAAAAA 1957
Db 2880 GGGCTGAAAGTGAACACAGGCTGATGTCATCAAAAA 2917

RESULT 7

US-09-907-841-189

Sequence 189, Application US/09907841

Publication No. US20020198366A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Bolstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Thomas, Daniel
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,841
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-841-189
Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
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Db 960 CAAATGAGAGCTTGAAGAGGCTGATGCAATGACCTTAAATTCCTGCTTGGC 1019
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Db 1020 GGAAGTGAAGAGGAGGCTGAAGGCAATGCAAGCTGCAAGTCACTAGGGGTC 1079
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Db 1080 CAAATGAGAGAGCCCAAGGCTGATGCAATGCAATGCAATGCAATGCAATGCAAT 1139
Qy 180 CTGACATGAGAGAGCCCAAGGCTGATGCAATGCAATGCAATGCAATGCAATGCAAT 239
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Db 1260 TGGGCTTGTGTAAGGCAAGCTGCAAGTAAAGCAATGATGCTGATTTGATGATC 1319
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Db 1320 ATCCAGTACATGAGAGCTTGAAGTAAATGATGATGATGATGATGATGATGATGATGAT 1379
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Qy 480 TACCTTGAAGAGATCTTCAAGGCTGATGCAATGCAATGCAATGCAATGCAATGCAAT 539
Db 1440 TACCTTGAAGAGATCTTCAAGGCTGATGCAATGCAATGCAATGCAATGCAATGCAAT 1499
Qy 540 TTGTGTGCAATGAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 599
Db 1500 TTGTGTGCAATGAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 1559
Qy 600 TTTCTTGAAGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 659
Db 1560 TTTCTTGAAGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 1619
Qy 660 CACCACTGAGGCTGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 719
Db 1620 CACCACTGAGGCTGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 1679
Qy 720 ATCAACTCTGAGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 779
Db 1680 ATCAACTCTGAGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1739
Qy 780 TGTCTTCACTGATGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 839
Db 1740 TGTCTTCACTGATGATGCAAGAGGATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 1799

840 TGACAGAGTGAAGTATATTAAGCAAAATCTACCTAGAGGCTTTTAATCTTAATGGGA 899
1800 TGACAGAGTGAAGTATATTAAGCAAAATCTACCTAGAGGCTTTTAATCTTAATGGGA 1859
900 TAACTTGAACATAAAGACCAACTTGCAGACCAAAATTTATCAAAATGTTGGAAATTTTC 959
1860 TAACTTGAACATAAAGACCAACTTGCAGACCAAAATTTATCAAAATGTTGGAAATTTTC 1919
960 TGTCCCTCTTAATGATGTGTGAATCAATCAAGAAAGTAGAAGATCAATCAATTAATTAAC 1019
1920 TGTCCCTCTTAATGATGTGTGAATCAATCAAGAAAGTAGAAGATCAATCAATTAATTAAC 1979
1020 CAATTAATCAACCTTTTCTGCATCTCTCAATCTTAAGAGATCAACCCGCAAAACAAT 1079
1980 CAATTAATCAACCTTTTCTGCATCTCTCAATCTTAAGAGATCAACCCGCAAAACAAT 2039
1080 CCAGATTAATGATGTGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCA 1139
2040 CCAGATTAATGATGTGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCA 2099
1140 AGAAGATGATGTGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCAATCA 1199
2100 AGAAGATGATGTGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCAATCA 2159
1200 TTTGAATCCATTAATGGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCA 1259
2160 TTTGAATCCATTAATGGAATGGAATGGAATCAATCAATCAATCAATCAATCAATCAATCA 2219
1260 CCAAACTCTTTTGTGCAAGTATGTCGACACCTCAGATCCAAATTTGGTGGTGTCT 1319
2220 CCAAACTCTTTTGTGCAAGTATGTCGACACCTCAGATCCAAATTTGGTGGTGTCT 2279
1320 TGAATCTGTAGAGCTCTCCCACTCTGATCTTGCATCTCAACCTAGACCTAATCA 1379
2280 TGAATCTGTAGAGCTCTCCCACTCTGATCTTGCATCTCAACCTAGACCTAATCA 2339
1380 GAGTGAATGATCTCGAAGATGGAATCTGTAAGTATCCCTTAATTTGACATTAAGGAG 1439
2340 GAGTGAATGATCTCGAAGATGGAATCTGTAAGTATCCCTTAATTTGACATTAAGGAG 2399
1440 ATTCAAGTTAATGCTTTAATTTCTGAGAGTATGAGCTCTGATCTGATCTGATCTGAT 1499
2400 ATTCAAGTTAATGCTTTAATTTCTGAGAGTATGAGCTCTGATCTGATCTGATCTGAT 2459
1500 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1559
2460 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519
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2520 AAGCAAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2579
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2580 TCTGAAAAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2639
1680 AGAAAATCTCAAAACAGCTTTCAACAGTGTGATGATGATGATGATGATGATGATGATGATGAT 1739
2640 AGAAAATCTCAAAACAGCTTTCAACAGTGTGATGATGATGATGATGATGATGATGATGATGAT 2699
1740 GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1799
2700 GAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2759
1800 CAATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1859
2760 CAATTAACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2819
1860 CTCAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1919
2820 CTCAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2879

QY 1920 GGGCTGAAGTGAACACAGGCTCTGATGTCAAAAA 1957
Db 2880 GGGCTGAAGTGAACACAGGCTCTGATGTAAAAA 2917
RESULT 8
US-09-904-011-189
Sequence 189, Application US/09904011
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Borstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gertsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acid Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,011
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/655,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-904-011-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTGTGTAAGAGCTCAGCCATTGACCTCTTAATTTCTCTGTTGGC 60
 Db 960 CAAATGAGCTGTGTAAGAGCTCAGCCATTGACCTCTTAATTTCTCTGTTGGC 1019
 QY 61 GGA-CTGACAAATGCGAGGCTGAAAGCAATGCAAGCTGCAAGCTGCAAGGCGGTGC 119
 Db 1020 GGAGCTGACAAATGCGAGGCTGAAAGCAATGCAAGCTGCAAGCTGCAAGGCGGTGC 1079
 QY 120 CAAATGAGCAAGACCCACAAAGCATGATCTGCAACTCAATCCAGTGAAGACTGCAC 179
 Db 1080 CAAATGAGCAAGACCCACAAAGCATGATCTGCAACTCAATCCAGTGAAGACTGCAC 1139
 QY 180 CTGACAAATGAGAAAGACCAAGAAACAAAGACATGAAATATCTTTCTATGTCAGCT 239
 Db 1140 CTGACAAATGAGAAAGACCAAGAAACAAAGACATGAAATATCTTTCTATGTCAGCT 1199
 QY 240 TGATCCAGATGAGAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCA 299
 Db 1200 TGATCCAGATGAGAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCA 1259
 QY 300 TGGGCTCTGCTAGGGGCAAGCTGCAAGTAAAGCAATATGTTCTGTAATTTGAATCATC 359
 Db 1260 TGGGCTCTGCTAGGGGCAAGCTGCAAGTAAAGCAATATGTTCTGTAATTTGAATCATC 1319
 QY 360 ATCCAGTACATGACGTTTCAAAATGTTACTGACTGACGAAAGATCAAGAACTGTCCT 419
 Db 1320 ATCCAGTACATGACGTTTCAAAATGTTACTGACTGACGAAAGATCAAGAACTGTCCT 1379
 QY 420 TGTCTTCTACTTCTTCTTCTCTTCAATCTTATTTCCAACTGTGCGGTTACTCTGA 479
 Db 1380 TGTCTTCTACTTCTTCTTCTCTTCAATCTTATTTCCAACTGTGCGGTTACTCTGA 1439
 QY 480 TACCTTGAAGAGATCCTTCAAGCAGCCCAATTAACCAAGCGGCAATCCAGCTGCTTA 539
 Db 1440 TACCTTGAAGAGATCCTTCAAGCAGCCCAATTAACCAAGCGGCAATCCAGCTGCTTA 1499
 QY 540 TTGTGTGTGCGCATTAACAAGTGAAGAAATTAACAAGATTAACCTTCAAGAGAT 599
 Db 1500 TTGTGTGTGCGCATTAACAAGTGAAGAAATTAACAAGATTAACCTTCAAGAGAT 1559
 QY 600 TTTCTAGAAATAGACAAACAGTGCAAAATTTGATTTTCTGTCATCTATGATGCGCCCTC 659
 Db 1560 TTTCTAGAAATAGACAAACAGTGCAAAATTTGATTTTCTGTCATCTATGATGCGCCCTC 1619
 QY 660 CACCAACTCTGCGCTGATTTGAACAAGTGTGCGCGGTGATCCCACTTGATGATGTC 719
 Db 1620 CACCAACTCTGCGCTGATTTGAACAAGTGTGCGCGGTGATCCCACTTGATGATGTC 1679
 QY 720 ATCAAACTCTGATGTGCTGTGTCTTCAACAATTAAGCAATTTTAAACCGGGATTTTC 779
 Db 1680 ATCAAACTCTGATGTGCTGTGTCTTCAACAATTAAGCAATTTTAAACCGGGATTTTC 1739
 QY 780 TGCTTCTACACCTCAATTTATGAGAAACATCAACCTACATCTTTAATCTGTCTTC 839
 Db 1740 TGCTTCTACACCTCAATTTATGAGAAACATCAACCTACATCTTTAATCTGTCTTC 1799
 QY 840 TGAAGAGATGAGATTAATTAAGCAAAATCTTACCTAGAGGCTTTTAACTGAAATGAGAA 899
 Db 1800 TGAAGAGATGAGATTAATTAAGCAAAATCTTACCTAGAGGCTTTTAACTGAAATGAGAA 1859

QY 900 TAACTTGCACTAAAGACCAACTTTCAGACCAAAATTTATCAATGTTGTGGAATTTTC 959
 Db 1860 TAACTTGCACTAAAGACCAACTTTCAGACCAAAATTTATCAATGTTGTGGAATTTTC 1919
 QY 960 TGTCCCTCTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1019
 Db 1920 TGTCCCTCTTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1979
 QY 1020 CAAATTAATCAGCTTTTCTGCACTCTCACTTCTGAAATGATCAACCGCTGAAACACT 1079
 Db 1980 CAAATTAATCAGCTTTTCTGCACTCTCACTTCTGAAATGATCAACCGCTGAAACACT 2039
 QY 1080 CCAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1139
 Db 2040 CCAGATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2099
 QY 1140 AGAAGATGATGATTAACAAGTCAAAATGCACTGGGCAATATTAACAACGACATGGCTCT 1199
 Db 2100 AGAAGATGATGATTAACAAGTCAAAATGCACTGGGCAATATTAACAACGACATGGCTCT 2159
 QY 1200 TTTTGATCAATTCATTTGAAAGACATATCTTGAATCAACCATTAATGATTTGAA 1259
 Db 2160 TTTTGATCAATTCATTTGAAAGACATATCTTGAATCAACCATTAATGATTTGAA 2219
 QY 1260 CCAAACTCTTTTGTTCAGATTAAGTCTGACACCTCAGATCAAAATTTGATGATTTCT 1319
 Db 2220 CCAAACTCTTTTGTTCAGATTAAGTCTGACACCTCAGATCAAAATTTGATGATTTCT 2279
 QY 1320 TGATCCGTGAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTTAATCA 1379
 Db 2280 TGATCCGTGAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTTAATCA 2339
 QY 1380 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1439
 Db 2340 GAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2399
 QY 1440 ATTCCAGTTAATGCTTTTAATTTCTGAAAGTATGATGATGATGATGATGATGATGAT 1499
 Db 2400 ATTCCAGTTAATGCTTTTAATTTCTGAAAGTATGATGATGATGATGATGATGATGAT 2459
 QY 1500 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1559
 Db 2460 AGTTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519
 QY 1560 AAGCAACGAGACATTTTCTTCAATTAATGAAACAGATTTCCATCATAGGACCCATTGC 1619
 Db 2520 AAGCAACGAGACATTTTCTTCAATTAATGAAACAGATTTCCATCATAGGACCCATTGC 2579
 QY 1620 TCTGAAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1679
 Db 2580 TCTGAAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 2639
 QY 1680 AGAAACTCCAAACGAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGATGATGATGAT 1739
 Db 2640 AGAAACTCCAAACGAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGATGATGATGAT 2699
 QY 1740 GAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1799
 Db 2700 GAATGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2759
 QY 1800 CAAATACAGAACTCAGAACTAATTAACATCAAGTCCAAACCTTAAGTGAAGCAATGTTT 1859
 Db 2760 CAAATACAGAACTCAGAACTAATTAACATCAAGTCCAAACCTTAAGTGAAGCAATGTTT 2819
 QY 1860 CTCAGAGATCCAAAGAAATGCTACCTGTGCTCAACATATTAATGATTAATGAGAA 1919
 Db 2820 CTCAGAGATCCAAAGAAATGCTACCTGTGCTCAACATATTAATGATTAATGAGAA 2879
 QY 1920 GGGCTGAAAGTGAACACAGGCTGCAATGATCAAAAA 1957
 Db 2880 GGGCTGAAAGTGAACACAGGCTGCAATGATCAAAAA 2917

RESULT 9
US-09-903-640-189

Sequence 189, Application US/09903640
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/903,640
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo Sapien
US-09-903-640-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGAGCTTGTAAAGAGCTCATGCGATTCACCTTTAATTTCTCTCTGTTGGC 60
DB 960 CAAATGAGCTTGTAAAGAGCTCATGCGATTCACCTTTAATTTCTCTCTGTTGGC 1019
QY 61 GGA-CTGACATGAGCGAGGCTGAAGGCAATGCAAGTGCAGTCTAGGGGGTGC 119
DB 1020 GGAAGTGAAGAGCGAGGCTGAAGGCAATGCAAGTGCAGTCTAGGGGGTGC 1079
QY 120 CAATATGAGAGAGCCCAAGGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 179
DB 1080 CAATATGAGAGAGCCCAAGGCAATGCTGCAACTCAATCCAGTGAAGTGCAC 1139
QY 180 CTGACATGAGAAACCCAGAAACCAAAAGCATGCAATATTTCTTCTATGTCAGCT 239
DB 1140 CTGACATGAGAAACCCAGAAACCAAAAGCATGCAATATTTCTTCTATGTCAGCT 1199
QY 240 TGATCAGATGAGAGCTGTGAAGTGAAGAAATTAAGTCTTTGACGGAACCTCCAGCA 299
DB 1200 TGATCAGATGAGAGCTGTGAAGTGAAGAAATTAAGTCTTTGACGGAACCTCCAGCA 1259
QY 300 TGGGCTCTGCTAGGAGCAAGTCTGCAAGTAAACGACATATGTTCTGTATTTGAATCATC 359
DB 1260 TGGGCTCTGCTAGGAGCAAGTCTGCAAGTAAACGACATATGTTCTGTATTTGAATCATC 1319

QY 360 ATCCAGTACATGAGCTTTCAATAGTACTGAGAGAAATTCAGAAAGACTGCTT 419
DB 1320 ATCCAGTACATGAGCTTTCAATAGTACTGAGAGAAATTCAGAAAGACTGCTT 1379
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DB 1380 TGTCTTCTACTACTCTTCTCTCTCTAATCTCTATTCGAACTGTGGCGTTACTGGA 1439
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DB 1440 TACCTTGAAGAGATCCTTCACAGCCCAATTAACCAAGCCGCAATCTGAGCTGGCTTA 1499
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DB 1500 TTGTGTGGGACATCAAGGTGAGAGAAATTAAGATTAAGATTAAGATTAAGAT 1559
QY 600 TTTCTAGAAATGACAAACAGTGAAGTTGATTTTCTGTCATCTATGATGGCCCTC 659
DB 1560 TTTCTAGAAATGACAAACAGTGAAGTTGATTTTCTGTCATCTATGATGGCCCTC 1619
QY 660 CACCAACTCTGGCTGATTTGACAAAGTCTGCGCGTGTACTCCACCTTGAAATGCTC 719
DB 1620 CACCAACTCTGGCTGATTTGACAAAGTCTGCGCGTGTACTCCACCTTGAAATGCTC 1679
QY 720 ATCAAACTCTGAGTGTGCTGCTCTCAAGATTAATCCAAATTTCTACCGGGATTTTC 779
DB 1680 ATCAAACTCTGAGTGTGCTGCTCTCAAGATTAATCCAAATTTCTACCGGGATTTTC 1739
QY 780 TGTCTCTACACCTCAATTTATGAGAAACATCAACTCATCTTTAATCTGCTCTTC 839
DB 1740 TGTCTCTCTACACCTCAATTTATGAGAAACATCAACTCATCTTTAATCTGCTCTTC 1799
QY 840 TGACAGATGAGATTAATTAAGAAATCTTACCTGAGGCTTTTAACTTAATGAGAA 899
DB 1800 TGACAGATGAGATTAATTAAGAAATCTTACCTGAGGCTTTTAACTTAATGAGAA 1859
QY 900 TTAAGTGAACCTTAAGAAACCACTTGAAGCAAAATTAATCAATGTTGGAATTTTC 959
DB 1860 TTAAGTGAACCTTAAGAAACCACTTGAAGCAAAATTAATCAATGTTGGAATTTTC 1919
QY 960 TGTCCCTCTTAATGATGTGTACATCAGAAAGGTGAAGATCAGTCAATTAATCAAC 1019
DB 1920 TGTCCCTCTTAATGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1979
QY 1020 CAATTAATCACTTTTCTGATCTCTCACTTGTGAAGTATCACTGTCAGAAACAACT 1079
DB 1980 CAATTAATCACTTTTCTGATCTCTCACTTGTGAAGTATCACTGTCAGAAACAACT 2039
QY 1080 CCAATTTATGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAG 1139
DB 2040 CCAATTTATGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAG 2099
QY 1140 AGAAGATGATGATTAATCAAGAGTCAAAATGCACTGGGCAATATTAACACAGATGGCTCT 1199
DB 2100 AGAAGATGATGATTAATCAAGAGTCAAAATGCACTGGGCAATATTAACACAGATGGCTCT 2159
QY 1200 TTTGAAATCAATTCATTTGAAAAGACTATCTTGAATCAACATATTAATGGAATTTGAA 1259
DB 2160 TTTGAAATCAATTCATTTGAAAAGACTATCTTGAATCAACATATTAATGGAATTTGAA 2219
QY 1260 CCAAACTTTTGTGTTCAAGTTAGTGTGCAACCTCAAGATCAAAATTTGGTGTCTCT 1319
DB 2220 CCAAACTTTTGTGTTCAAGTTAGTGTGCAACCTCAAGATCAAAATTTGGTGTCTCT 2279
QY 1340 TGATACCTGTAGAGCTCTCCACCTGCACTTTTGCAATCTGCAACTGAGCTTAATGAA 1379
DB 2280 TGATACCTGTAGAGCTCTCCACCTGCACTTTTGCAATCTGCAACTGAGCTTAATGAA 2339
QY 1380 GAGTGAATGATGAGATGAGAACTTTGAAGTGTATCTTATTTGGAACATAAGGAG 1439
DB 2340 GAGTGAATGATGAGATGAGAACTTTGAAGTGTATCTTATTTGGAACATAAGGAG 2399
QY 1440 ATTCAGTTTAATGCTTTAATTTCTGAGAAAGTATGAGCTCTGTATCTGCAAGTGA 1499

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Db 2400 ATTCAGTTAAATGCTTTAAATTTTGAAGATAGAGCTGTGTATCTGCAGTGTAA 2459
Qy 1500 AGTTTGAATATGTATAGCAGTACGACCAAGTCTGCTGCAATCAAGGTTGTCTCCAG 1559
Db 2460 AGTTTGAATATGTATAGCAGTACCAAGTCTGCTGCAATCAAGGTTGTCTCCAG 2519
Qy 1560 AAGCAAAAGAGACATTTCTTCAATTAATGAAAAACAATTCATCATAGAACCCATTGG 1619
Db 2520 AAGCAAAAGAGACATTTCTTCAATTAATGAAAAACAATTCATCATAGAACCCATTGG 2579
Qy 1620 TCTGAAAAAGGATCGAAGTGCAGTGCATTCAGATTTTCAGCATGATGAGGAGGGA 1679
Db 2580 TCTGAAAAAGGATCGAAGTGCAGTGCATTCAGATTTTCAGCATGATGAGGAGGGA 2639
Qy 1680 AGAACTCCAAACCAAGCTTTTCAACAGTGTGCATCTGTTTCTTCAATGTTCTAGCTCT 1739
Db 2640 AGAACTCCAAACCAAGCTTTTCAACAGTGTGCATCTGTTTCTTCAATGTTCTAGCTCT 2699
Qy 1740 GAATGTGTGCTGCTAGCAGCAATCAAGTGCATTTTGTAAATCAAGGGGAGACTA 1799
Db 2700 GAATGTGTGCTGCTAGCAGCAATCAAGTGCATTTTGTAAATCAAGGGGAGACTA 2759
Qy 1800 CAATATCCAGAAAGTGTGAGAACTATTAATCAAGGTTCCAACTTAAGTGAAGCATGTTT 1859
Db 2760 CAATATCCAGAAAGTGTGAGAACTATTAATCAAGGTTCCAACTTAAGTGAAGCATGTTT 2819
Qy 1860 CTCAGAGATCCCAAAAGAAATGCTACCTGCTGCTACACATATTAATTAATGAGGAA 1919
Db 2820 CTCAGAGATCCCAAAAGAAATGCTACCTGCTGCTACACATATTAATTAATGAGGAA 2879
Qy 1920 GGGCTTGAAGTGAACACACAGGCTGTGATGTCAAAAAA 1957
Db 2880 GGGCTTGAAGTGAACACACAGGCTGTGATGTAAAAAAA 2917

RESULT 10
US-09-908-093-189
; Sequence 189, Application US/09908093
; Publication No. US20030017498A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 1046-14
; CURRENT APPLICATION NUMBER: US/09/908,093
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
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; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143, 048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145, 698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146, 222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-908-093-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy 1 CAATATGAGCTTGTAAAGGCTCATGCAATGACCTCTTAATTTCTCTGTTGGC 60
Db 960 CAATATGAGCTTGTAAAGGCTCATGCAATGACCTCTTAATTTCTCTGTTGGC 1019
Qy 61 GGA-CTGACATGGCGGAGCTGAAGGCAATGCAAGTGCACAGTCAAGTGTGGGGTGC 119
Db 1020 GGAGCTGACATGGCGGAGCTGAAGGCAATGCAAGTGCACAGTCAAGTGTGGGGTGC 1079
Qy 120 CAATATGAGGAGAGCCCAAGCCATGATCTGCAATCTCAATCCAGTGAAGCTGCAC 179
Db 1080 CAATATGAGGAGAGCCCAAGCCATGATCTGCAATCTCAATCCAGTGAAGCTGCAC 1139
Qy 180 CTGAGCAATAGAAAGCCGAAAGAAACAAGCATGCAATATATCTTTTCTATGTCACCT 239
Db 1140 CTGAGCAATAGAAAGCCGAAAGAAACAAGCATGCAATATATCTTTTCTATGTCACCT 1189
Qy 240 TGAATCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGCTTTGACGAACTCCAGCA 299
Db 1200 TGAATCAGATGAGAGCTGTGAAGTGAAGAAACATTAAGCTTTGACGAACTCCAGCA 1259
Qy 300 TGGGCTCTGCTTGGGCAAGTCTGCACTGAAGAAAGCACTATGTTCTGTATTTGATCATC 359
Db 1260 TGGGCTCTGCTTGGGCAAGTCTGCACTGAAGAAAGCACTATGTTCTGTATTTGATCATC 1319
Qy 360 ATCCAGTACATGACGTTTCAATAGTTACTGACCTCAGCAGAAATTCAGAAATCTGCTT 419
Db 1320 ATCCAGTACATGACGTTTCAATAGTTACTGACCTCAGCAGAAATTCAGAAATCTGCTT 1379
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Db	2520	AAGCAAAAGAGCATTTTCTCATATAAATGGAAAACAATTCATCATAGAACCATTCG	2579
Qy	1620	TCTGAAAAGGATCGAAGTGCAGAGTGGCAATTGAGATTTGACATGAAACAATGCGGA	1679
Db	2580	TCTGAAAAGGATCGAAGTGCAGAGTGGCAATTCAGATTTGACATGAAACAATGCGGA	2639
Qy	1680	AGAAACTCCAAAACGAGCCTTTTCAACAGTGTGCATCTGTTCCTTCATGTGTTTACCTCT	1739
Db	2640	AGAAACTCCAAAACGAGCCTTTTCAACAGTGTGCATCTGTTCCTTCATGTGTTTACCTCT	2699
Qy	1740	GAATGTGTGACTGTAGCGACAATCAAGTGAAGCAATTTTGTAAATCAACGGCGAGACTA	1799
Db	2700	GAATGTGTGACTGTAGCGACAATCAAGTGAAGCAATTTTGTAAATCAACGGCGAGACTA	2759
Qy	1800	CAATATACAGAAGCTGCAGAACTATTAATACTAAACGCTCCAAACCCTAATAGAGACATGTTT	1859
Db	2760	CAATATACAGAAGCTGCAGAACTATTAATACTAAACGCTCCAAACCCTAATAGAGACATGTTT	2819
Qy	1860	CTCCAGATGCGCAAAAGAAATGTCTACCTCGTGGCTACACATATTATATGAATTAATGAGGAA	1919
Db	2820	CTCCAGATGCGCAAAAGAAATGTCTACCTCGTGGCTACACATATTATATGAATTAATGAGGAA	2879
Qy	1920	GGGCTTGAAGTGACACACAGGCTCTGCATGTCAAAAAA	1957
Db	2880	GGGCTTGAAGTGACACACAGGCTCTGCATGTCAAAAAA	2917

RESULT 12
 US-09-906-838-189
 * Sequence 189, Application US/0906838
 * Publication No. US20030027143A1
 GENERAL INFORMATION:
 * APPLICANT: Genentech, Inc.
 * APPLICANT: Ashkenazi, Avi
 * APPLICANT: Botstein, David
 * APPLICANT: Deenoyers, Luc
 * APPLICANT: Eaton, Dan L.
 * APPLICANT: Ferrara, Napoleone
 * APPLICANT: Filvaroff, Ellen
 * APPLICANT: Fong, Sherman
 * APPLICANT: Gao, Wei-Qiang
 * APPLICANT: Gerber, Hanspeter
 * APPLICANT: Gerritsen, Mary E.
 * APPLICANT: Goddard, A.
 * APPLICANT: Godowski, Paul J.
 * APPLICANT: Grimaldi, Christopher J.
 * APPLICANT: Gurney, Austin L.
 * APPLICANT: Hillan, Kenneth, J.
 * APPLICANT: Kljavin, Ivar J.
 * APPLICANT: Mather, Jennie P.
 * APPLICANT: Pan, James
 * APPLICANT: Paoni, Nicholas F.
 * APPLICANT: Roy, Margaret Ann
 * APPLICANT: Stewart, Timothy A.
 * APPLICANT: Tumas, Daniel
 * APPLICANT: Williams, P. Mickey
 * APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/906,838
 CURRENT FILING DATE: 2001-07-16
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28

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? PRIOR APPLICATION NUMBER: PCT/US99/20594
? PRIOR FILING DATE: 1999-09-08
? PRIOR APPLICATION NUMBER: PCT/US99/20944
? PRIOR FILING DATE: 1999-09-13
? PRIOR APPLICATION NUMBER: PCT/US99/21090
? PRIOR FILING DATE: 1999-09-15
? PRIOR APPLICATION NUMBER: PCT/US99/21547
? PRIOR FILING DATE: 1999-09-15
? PRIOR APPLICATION NUMBER: PCT/US99/23089
? PRIOR FILING DATE: 1999-10-05
? PRIOR APPLICATION NUMBER: PCT/US99/28214
? PRIOR FILING DATE: 1999-11-29
? PRIOR APPLICATION NUMBER: PCT/US99/28313
? PRIOR FILING DATE: 1999-11-30
? PRIOR APPLICATION NUMBER: PCT/US99/28564
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US99/28565
? PRIOR FILING DATE: 1999-12-02
? PRIOR APPLICATION NUMBER: PCT/US99/30095
? PRIOR FILING DATE: 1999-12-16
? PRIOR APPLICATION NUMBER: PCT/US99/30911
? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US99/30999
? PRIOR FILING DATE: 1999-12-20
? PRIOR APPLICATION NUMBER: PCT/US00/00219
? PRIOR FILING DATE: 2000-01-05
? NUMBER OF SEQ ID NOS: 423
? SEQ ID NO 189
? LENGTH: 2917
? TYPE: DNA
? ORGANISM: Homo Sapien
US-09-906-838-189

```

Query Match	98.9%	Score 1944.4	DB 10	Length 2917
Best Local Similarity	99.9%	Pred. No. 0		
Matches 1956	Conservative 0	Mismatches 1	Indels 1	Gaps 1
QY 1	CAAAATGAGCTTTGTAAAGAGCTCAAGCCATTGACCCCTCTTAATCTCTCTGTTGGC	60		
Db 960	CAAAATGAGCTTTGTAAAGAGGCTCAAGCCATTGACCCCTCTTAATCTCTCTGTTGGC	1019		
QY 61	GGA CTGACATATGGCGGAGGCTGAAGCAATGCAAGCTGCACATGCTAGTGGGGGTGC	119		
Db 1020	GGAGCTACATATGGCGGAGGCTGAAGCAATGCAAGCTGCACATGCTAGGGGGTGC	1079		
QY 120	CAATATGGCAGAGCCCAAAAGCATGATCTCGCAACTCAATCCCGATGAACTGCAAC	179		
Db 1080	CAATATGGCAGAGCCCAAAAGCATGATCTCGCAACTCAATCCCGATGAACTGCAAC	1139		
QY 180	CTGGAACAATGAAAGACACGAAAAACAAGCATCAGATTATCTTTCATATGCCAGCT	239		
Db 1140	CTGGAACAATGAAAGACACGAAAAACAAGCATCAGATTATCTTTCATATGCCAGCT	1199		
QY 240	TGATCCAGATGGAAGCTGTGAAAGTGAACATTAAAGCTTTGACGGAACCTTCAGCAA	299		
Db 1200	TGATCCAGATGGAAGCTGTGAAAGTGAACATTAAAGCTTTGACGGAACCTTCAGCAA	1259		
QY 300	TGGGCGCTCTGAGGGGCAAGTCGCAAGTAAACGATAGTTCCTGTATTGAATATC	359		
Db 1260	TGGGCGCTCTGAGGGGCAAGTCGCAAGTAAACGATAGTTCCTGTATTGAATATC	1319		
QY 360	ATCCAGATACATTGACGTTTCAAAATAGTACTGACTCGACAAGATTCAAGAACTGCTT	419		
Db 1320	ATCCAGATACATTGACGTTTCAAAATAGTACTGACTCGACAAGATTCAAGAACTGCTT	1379		
QY 420	TGCTCTTACTACTTCTTCTCTCTTAACATCTCTATTCCAACCTGGCGGTTACTCGA	479		
Db 1380	TGCTCTTACTACTTCTTCTCTCTTAACATCTCTATTCCAACCTGGCGGTTACTCGA	1439		
QY 480	TACCTTGAAGATCCCTTACCGAGCCCAATTACCCAAAGCCGATCTGAGCTGGGTTA	539		
Db 1440	TACCTTGAAGATCCCTTACCGAGCCCAATTACCCAAAGCCGATCTGAGCTGGGTTA	1499		

Qy	540	TTGTGTTGGGCACTAAAGTGGAGAAAGATTACAGATTAAACTTAAGAGAT	599
Db	1500	TTGTGTGTGGGACATTAACAAGTGGAGAAAGATTACAGATTAAACTTAAGAGAT	1555
Qy	600	TTTCTTAGAATATGACAAACAGTGCAAATTGTATTTCTTGCCATCTATATAGGCCCTC	659
Db	1560	TTTCTTAGAATATGACAAACAGTGCAAATTGTATTTCTTGCCATCTATATAGGCCCTC	1611
Qy	660	CACCAACTCTGGGCTGTATTTGACAAGTCTGTGGCCGTGTGACTCCGACCTTGGAAATGCTC	719
Db	1620	CACCAACTCTGGGCTGTATTTGACAAGTCTGTGGCCGTGTGACTCCGACCTTGGAAATGCTC	1672
Qy	720	ATCAAACTCTGCTAGCTGTGCTGTGCTACAGATTATAGCAATCTTAACGGGGAAATTTTC	779
Db	1680	ATCAAACTCTGCTAGCTGTGCTGTGCTACAGATTATAGCAATCTTAACGGGGAAATTTTC	1739
Qy	780	TGCTTCTCACTCAATTTATGCAAGAAACATCAACACTCACTTTTAATTTGCTCTTC	839
Db	1740	TGCTTCTCACTCAATTTATGCAAGAAACATCAACACTCACTTTTAATTTGCTCTTC	1799
Qy	840	TGACAGATGAGAGATTATTAATAGCAAACTCAACAGAGGCTTTTAATCTTAATAGGGA	899
Db	1800	TGACAGATGAGAGATTATTAATAGCAAACTCAACAGAGGCTTTTAATCTTAATAGGGA	1859
Qy	900	TAACTTGCAACTTAAGACCCCACTTGACAGCCAAATTTATCAAAATGTTGTGGAATTTTC	959
Db	1860	TAACTTGCAACTTAAGACCCCACTTGACAGCCAAATTTATCAAAATGTTGTGGAATTTTC	1919
Qy	960	TGTCCTCTTAATAGATGTGTGATCATTCAGAAAGTGAAGATTCAGTCAATTACTTAAC	1019
Db	1920	TGTCCTCTTAATAGATGTGTGATCATTCAGAAAGTGAAGATTCAGTCAATTACTTAAC	1979
Qy	1020	CAATATATACCTTTTCTGCACTCTCAACTTCTGAGTGATCAACCCCTCAGAAACAAT	1079
Db	1980	CAATATATACCTTTTCTGCACTCTCAACTTCTGAGTGATCAACCCCTCAGAAACAAT	2039
Qy	1080	CCAGATTATGTGAGTGTGGAATGGGACATAATTCTACGTGGAGATTAATATACATAAC	1139
Db	2040	CCAGATTATGTGAGTGTGGAATGGGACATAATTCTACGTGGAGATTAATATACATAAC	2099
Qy	1140	AGAAATGATGTATATCAAAAGTCAAAATGCACTGGGCAAAATTAACACACAGAGGCTCT	1199
Db	2100	AGAAATGATGTATATCAAAAGTCAAAATGCACTGGGCAAAATTAACACACAGAGGCTCT	2159
Qy	1200	TTTGAATCCAACTCAATTTGAAAAGACTATATCTTGATCACCATATTAATGTGATTTGAA	1259
Db	2160	TTTGAATCCAACTCAATTTGAAAAGACTATATCTTGATCACCATATTAATGTGATTTGAA	2219
Qy	1260	CCAAACTCTTTTGTTCAAAGTTAGTGTGCAACCTCAATCCAAATTTGGGGGTTCCT	1319
Db	2220	CCAAACTCTTTTGTTCAAAGTTAGTGTGCAACCTCAATCCAAATTTGGGGGTTCCT	2279
Qy	1320	TGATATCTCTGTAGAGCTCTCCCACTCTGACTTTTGCACTTCCAACTTAACCACTTAATCAA	1379
Db	2280	TGATATCTCTGTAGAGCTCTCCCACTCTGACTTTTGCACTTCCAACTTAACCACTTAATCAA	2339
Qy	1380	GAGTGAATGTATGTCAGATGGAACCTGTGAAGTGTATCCCTTATTTGGAACAATATGGGAG	1439
Db	2340	GAGTGAATGTATGTCAGATGGAACCTGTGAAGTGTATCCCTTATTTGGAACAATATGGGAG	2399
Qy	1440	ATTCCAGTTTAATGCTTTTAAATTTCTTGAGAAGTATGAGCTCTGTGTATCTGCAAGTGA	1499
Db	2400	ATTCCAGTTTAATGCTTTTAAATTTCTTGAGAAGTATGAGCTCTGTGTATCTGCAAGTGA	2459
Qy	1500	AGTTTGTATATGTATATGACAGTGCACCACTCTGCTGCAATCAAGTTGTGTCTCCAG	1559
Db	2460	AGTTTGTATATGTATATGACAGTGCACCACTCTGCTGCAATCAAGTTGTGTCTCCAG	2519
Qy	1560	AAGCAAAACGAGACATTTCTTCATTAATATGGAACCAAGTTCCATCATATAGACCAATTCG	1619
Db	2520	AAGCAAAACGAGACATTTCTTCATTAATATGGAACCAAGTTCCATCATATAGACCAATTCG	2579
Qy	1620	TTCTGAAAAGGATTCGAAGTGCAGAGTTCGCAATTCAGGATTTTCAGCATGAAAACATTCGCA	1679

Db	2580	TCGAAAAAGGATTCGAAGTGCAGAGTGGCAATTTCAGAGATGAAACATTCGGGA	2639
Qy	1680	AGAACTCCAAACCAAGCCTTTCAACAGTGTGATCTGTTTTCCTCATGTCTTAGCTCT	1739
Db	2640	AAAACTCCAAACCAAGCCTTTCAACAGTGTGATCTGTTTTCCTCATGTCTTAGCTCT	2699
Qy	1740	GAATGTGGACTGTGAGGACAAATCAAGTAGAGGATTTTGTAAATCAACGGGACACTA	1799
Db	2700	GAATGTGGACTGTGAGGACAAATCAAGTAGAGGATTTTGTAAATCAACGGGACACTA	2759
Qy	1800	CAAAATACCAAGAGCTGCAGAACTATTAACTAAACAGTGCACACCTTAAGTAGACATGTT	1859
Db	2760	CAAAATACCAAGAGCTGCAGAACTATTAACTAAACAGTGCACACCTTAAGTAGACATGTT	2819
Qy	1860	CTCCAGAGATGCCAAGGAAATGCTACTCTCGTGGCTACACATATTATGAATAGAGAA	1919
Db	2820	CTCCAGAGATGCCAAGGAAATGCTACTCTCGTGGCTACACATATTATGAATAGAGAA	2879
Qy	1920	GGGCTGAAAGTGACACACAGGCTGCTGACAAAAA	1957
Db	2880	GGGCTGAAAGTGACACACAGGCTGCTGATGTAAAAAA	2917
RESULT 13			
US-09-907-613-189			
; Sequence 189, Application US/09907613			
; Publication No. US20030027145A1			
; GENERAL INFORMATION:			
; APPLICANT: Genentech, Inc.			
; APPLICANT: Ashkenazi, Avi			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Ferrara, Napoleone			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Fong, Sherman			
; APPLICANT: Gao, Wei-Qiang			
; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, A.			
; APPLICANT: Grimaldi, Christopher J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Hillan, Kenneth, J.			
; APPLICANT: Kijavini, Ivar J.			
; APPLICANT: Mather, Jennie P.			
; APPLICANT: Pan, James			
; APPLICANT: Paoni, Nicholas F.			
; APPLICANT: Roy, Margaret Ann			
; APPLICANT: Stewart, Timothy A.			
; APPLICANT: Tumas, Daniel			
; APPLICANT: Williams, P. Mickey			
; APPLICANT: Wood, William, I.			
; TITLE OF INVENTION: Acids Encoding and Transmembrane Polypeptides and Nucleic			
; FILE REFERENCE: 10466-14			
; CURRENT APPLICATION NUMBER: US/09/907,613			
; CURRENT FILING DATE: 2001-07-17			
; PRIOR APPLICATION NUMBER: PCT/US00/04414			
; PRIOR FILING DATE: 2000-02-22			
; PRIOR APPLICATION NUMBER: US 60/143,048			
; PRIOR FILING DATE: 1999-07-07			
; PRIOR APPLICATION NUMBER: US 60/145,698			
; PRIOR FILING DATE: 1999-07-26			
; PRIOR APPLICATION NUMBER: US 60/146,222			
; PRIOR FILING DATE: 1999-07-28			
; PRIOR APPLICATION NUMBER: PCT/US99/20594			
; PRIOR FILING DATE: 1999-09-08			
; PRIOR APPLICATION NUMBER: PCT/US99/20944			
; PRIOR FILING DATE: 1999-09-13			
; PRIOR APPLICATION NUMBER: PCT/US99/21090			
; PRIOR FILING DATE: 1999-09-15			

PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-613-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

1 CAAATGAGCTTGTAAAGAGCTCATGTCATGACCTTAACTTCTCTGTTGGC 60
960 CAAATGAGCTTGTAAAGAGCTCATGTCATGACCTTAACTTCTCTGTTGGC 1019
61 GGA-CTGACATGCGGAGGCTGAAGGCAATGCACTGACAGTCTAGGGGGTGC 119
1020 GGAGCTGACATGCGGAGGCTGAAGGCAATGCACTGACAGTCTAGGGGGTGC 1079
120 CAAATGCGAGAGCCCAACAAAGCCATGATCTGCACTCAATCCGATGAGACTGCAC 179
1080 CAAATGCGAGAGCCCAACAAAGCCATGATCTGCACTCAATCCGATGAGACTGCAC 1139
180 CTGACATGAGAAACCAAGAAACAAAGATGCAATATCTTCTGATGATGATC 239
1140 CTGACATGAGAAACCAAGAAACAAAGATGCAATATCTTCTGATGATGATC 1199
240 TGATCAGATGAGAGCTGTAAGTGAAGAAACATTAAGTCTTGAAGGAACTCCAGCA 299
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300 TGGGCTCTGCTAGGGCAAGTCTGCAAGTAAACCACTATGTTCTGATTTGAATC 359
1260 TGGGCTCTGCTAGGGCAAGTCTGCAAGTAAACCACTATGTTCTGATTTGAATC 1319
360 ATCCAGTACATTTGAGTTTCAAAATGTTACTGACAGAGAAATTCAGAAAGCTGCTT 419
1320 ATCCAGTACATTTGAGTTTCAAAATGTTACTGACAGAGAAATTCAGAAAGCTGCTT 1379
420 TGTCTTACTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 479
1380 TGTCTTACTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1439
480 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 539
1440 TACCTTGAAGAGATCTTCAACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTTA 1499
540 TTGTGTGAGCAGATACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 599
1500 TTGTGTGAGCAGATACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1559
600 TTTCTAGAAATAGACAAACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 659

1560 TTTCTAGAAATAGACAAACAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1619
660 CACCAACTCTGGCTGATTTGACAAAGTCTGTGGCCGTGTGACTCCACCTTGAATGCTC 719
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720 ATCAAACTCTGACGTGCGGTGTGCTACAGATTAATGCAATCTTACCGGGGATTTTC 779
1680 ATCAAACTCTGACGTGCGGTGTGCTACAGATTAATGCAATCTTACCGGGGATTTTC 1739
780 TGTCTTCTACACCTCAATTTATGCAAAACATCAACATCAATCTTAACTTGTCTTC 839
1740 TGTCTTCTACACCTCAATTTATGCAAAACATCAACATCAATCTTAACTTGTCTTC 1799
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1800 TGACAGATGAGAGTTATTAATAGCAAAATCTTACCTAGAGCTTTAACTTAATGGGA 1859
900 TTAAGTGAAGTGAAGAGCCCACTTGGAGCCAAATTAATCAATGTTGGGAATTTTC 959
1860 TTAAGTGAAGTGAAGAGCCCACTTGGAGCCCAATTAATCAATGTTGGGAATTTTC 1919
960 TGTCTCTCTTAATGATGTGTACATCAAGAAAGTGAAGATCAGTCAATTAATCAAC 1019
1920 TGTCTCTCTTAATGATGTGTACATCAAGAAAGTGAAGATCAGTCAATTAATCAAC 1979
1020 CAAATTAATCACTTTTCTGCACTCTCACTTGAAGTATACCCGTGAGAAACAAT 1079
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1080 CCAGATTAATGAGAGTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1139
2040 CCAGATTAATGAGAGTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2099
1140 AGAAGATGATTAATACAAAGTCAAAATGCACTGGGCAATTAATACACAGATGCTCT 1199
2100 AGAAGATGATTAATACAAAGTCAAAATGCACTGGGCAATTAATACACAGATGCTCT 2159
1200 TTTGATTCATTAATTTGAAAGAGATTAATCTTGAATCAATTAATGATGATTTGA 1259
2160 TTTGATTCATTAATTTGAAAGAGATTAATCTTGAATCAATTAATGATGATTTGA 2219
1260 CCAAACTCTTTTGTGCAAGTGTGACACACCTCAATCAAAATTTGGTGTCTCT 1319
2220 CCAAACTCTTTTGTGCAAGTGTGACACACCTCAATCAAAATTTGGTGTCTCT 2279
1320 TGATACCTGTAGAGCTCTCCACCTCTGACCTTTCGATCTCAACCTGACATCAATCA 1379
2280 TGATACCTGTAGAGCTCTCCACCTCTGACCTTTCGATCTCAACCTGACATCAATCA 2339
1380 GAGTGAATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1439
2340 GAGTGAATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2399
1440 ATTCAGATTAATGCTTTAAATTTCTGAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1499
2400 ATTCAGATTAATGCTTTAAATTTCTGAGAAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2459
1500 AGTTTGAATGATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1559
2460 AGTTTGAATGATGATGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2519
1560 AAGCAACGAGACATTTCTCATTAATTAATGAGAAACAGATTCATCATAGAACCCATTCG 1619
2520 AAGCAACGAGACATTTCTCATTAATTAATGAGAAACAGATTCATCATAGAACCCATTCG 2579
1680 TCTGAAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1679
2580 TCTGAAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 2639
1680 AGAAACTCAAAACAGCTTCAACAGTGTGATCTGTTTCTTCAATGATGTTCAAGCTCT 1739
2640 AGAAACTCAAAACAGCTTCAACAGTGTGATCTGTTTCTTCAATGATGTTCAAGCTCT 2699

QY 1740 GAATGCTGACTGACGACATCACTGAGGCAATTTGTAATCAACGGGAGACTA 1799
DB 2700 GAATGCTGACTGACGACATCACTGAGGCAATTTGTAATCAACGGGAGACTA 2759
QY 1800 CAATAACCAAGCTGAGAACTATTAACTAAAGCTGCAACCTAGTAGAGACTGTT 1859
DB 2760 CAATACCAAGCTGAGAACTATTAACTAAAGCTGCAACCTAGTAGAGACTGTT 2819
QY 1860 CTCAGAGATGCAAGGAAATGCTACTCTGCTGCTACACATATTATGAAATGAGAA 1919
DB 2820 CTCAGAGATGCAAGGAAATGCTACTCTGCTGCTACACATATTATGAAATGAGAA 2879
QY 1920 GGGCTGAAGTGACACACAGGCTGATGTCATCAAAAA 1957
DB 2880 GGGCTGAAGTGACACACAGGCTGATGTCATCAAAAA 2917

RESULT 14
US-09-907-942-189
Sequence 189, Application US/09907942
Publication No. US20030027146A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,942
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29

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RESULT 15
US-09-904-859-189
; Sequence 189, Application US/09904859
; Publication No. US20030036060A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Flivaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowaki, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Macher, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: US/09/904,859
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
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PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
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PRIOR FILING DATE: 1999-12-02
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PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
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ORGANISM: Homo Sapien
US-09-864-859-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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DB 2760 CAAATACAGAACTGAGAACTAATTAATCAAGTCCAACTCAATGAGACATGTTT 2819
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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9670.472 Million cell updates/sec

Title: US-09-864-711-4

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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4	1698.6	97.7	20727	US-09-949-016-14403	Sequence 14403, A
5	1698.6	97.7	20727	US-09-949-016-14404	Sequence 14404, A
6	1698.6	97.7	20728	US-09-949-016-15291	Sequence 15291, A
7	1698.6	97.7	20728	US-09-949-016-15292	Sequence 15292, A
8	1245.4	71.6	1249	US-09-949-016-187	Sequence 187, App
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30	187.2	10.8	601	US-09-949-016-45206	Sequence 45206, A
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39	185.2	10.6	23108	US-09-949-016-12582	Sequence 12582, A
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43	184.4	10.6	90541	US-10-207-973-3	Sequence 3, Appl1
44	184.4	10.6	90541	US-10-207-973-3	Sequence 3, Appl1
45	184.4	10.6	156651	US-09-949-016-17349	Sequence 17349, A

ALIGNMENTS

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RESULT 1
US-09-949-016-14405
Sequence 14405, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ. ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ. ID NO. 14405
LENGTH: 19181
TYPE: DNA
ORGANISM: Human
FEATURES:
NAME/KEY: misc. feature
LOCATION: (1)...(19181)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14405
Query Match
Best Local Similarity 97.7%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
11 CGGGGCGATGACCTGAGCTCAAGGAGTGTGGCTTCCATTCATTCGTTGTAAGCC 70
5637 CAGGGGCGATGACCTGAGCTCAAGGAGTGTGGCTTCCATTCATTCGTTGTAAGCC 5696
71 AGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 130
AGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 130
5697 AGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 5756
131 CGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 190
CGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 190
5757 CGTGGCTTGCAGGATGAGGCGAGGCTTGCAGCAATTTCCAGTCTGCTGGGC 5816
191 GAAGATGATTAATTCGTAATGTAAGAGCTATGTTTCATAGCCACAGGGTCTTCATGTC 250
GAAGATGATTAATTCGTAATGTAAGAGCTATGTTTCATAGCCACAGGGTCTTCATGTC 250
5817 GAAGATGATTAATTCGTAATGTAAGAGCTATGTTTCATAGCCACAGGGTCTTCATGTC 5876
251 AGGAGCATGGGACAGCTTCTGGGAGCAAGTCACTACTCTCTGAGCCTGAATATCTCA 310
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Db      5877 AGGACATGCGACGACTTCTGGGAGCAAGTCACTAGTCTCTGAGCCCTGAATGTCCTCA 5936
Qy      311 TCTGTAATAATGAGATTAAGTAATATAATTAATACCATACAGGGCTATTGGAGAACTA 370
Db      5937 TCTGTAATAATGAGATTAAGTAATATAATTAATACCATACAGGGCTATTGGAGAACTA 5996
Qy      371 AATCAGAGAGTCCATTTGGGAGGCTCAGAGGTGATGAATTTCTGCTCCAGAGAGTA 430
Db      5997 AATCAGAGAGTCCATTTGGGAGGCTCAGAGGTGATGAATTTCTGCTCCAGAGAGTA 6056
Qy      431 AGCAAGCAGAGTGAAGTGTCCCATGGTAGGAGTCAATAGCAAAAGCAAGCACTAAGCC 490
Db      6057 AGCAAGCAGAGTGAAGTGTCCCATGGTAGGAGTCAATAGCAAAAGCAAGCACTAAGCC 6116
Qy      491 TGAAGAGGAGTGAATGAGCCCTCCCATGAGATTATTTCCCTCCATCACTGAATCTTAC 550
Db      6117 TGAAGAGGAGTGAATGAGCCCTCCCATGAGATTATTTCCCTCCATCACTGAATCTTAC 6176
Qy      551 AAGGAGCTTTGATCTTGGCTTTGGCAAGCATGCTTCTCTGAGCACTAGAACTCC 610
Db      6177 AAGGAGCTTTGATCTTGGCTTTGGCAAGCATGCTTCTCTGAGCACTAGAACTCC 6236
Qy      611 CTATGGAAGAGAGTGTCTTAGAGCAGAGCAAAAGAGAGCATGACATTTGGAAA 670
Db      6237 CTATGGAAGAGAGTGTCTTAGAGCAGAGCAAAAGAGAGCATGACATTTGGAAA 6296
Qy      671 CGAGAGCCAGTGTGAACAAGGCGATGCTTAGATGTGCCAGCAAGAGCACTCCGGAAA 730
Db      6297 CGAGAGCCAGTGTGAACAAGGCGATGCTTAGATGTGCCAGCAAGAGCACTCCGGAAA 6356
Qy      731 TGAGGGGTAGAGAAACAACAACCTTGATCTCTTGAAGACTCTTCTGCTCATTTAG 790
Db      6357 TGAGGGGTAGAGAAACAACAACCTTGATCTCTTGAAGACTCTTCTGCTCATTTAG 6416
Qy      791 TGATAAGAGCCCAAGAGATTCAAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCA 850
Db      6417 TGATAAGAGCCCAAGAGATTCAAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCA 6476
Qy      851 ATTTTGGGCTTTAAGAGAGCCCTCCCTGTA CTTGATGAGGCTCCAAAGACAGTCAAGCT 910
Db      6477 ATTTTGGGCTTTAAGAGAGCCCTCCCTGTA CTTGATGAGGCTCCAAAGACAGTCAAGCT 6536
Qy      911 GACTGAGTGAAGAGTGTGCTGCTCAAGTCTTCAATCATGAGGCAAGATGATAGTG 970
Db      6537 GACTGAGTGAAGAGTGTGCTGCTCAAGTCTTCAATCATGAGGCAAGATGATAGTG 6596
Qy      971 TCCAGTGGGCCCATTTGCTTGACAGACATCCCTGCTGTGCTGACATTTCACTTCATCT 1030
Db      6597 TCCAGTGGGCCCATTTGCTTGACAGACATCCCTGCTGTGCTGACATTTCACTTCATCT 6656
Qy      1031 CCTTCTCCCAACCCGCTCTCATATTTAGTTCCTGCGCTGAACTGTAAATTCAC 1090
Db      6657 CCTTCTCCCAACCCGCTCTCATATTTAGTTCCTGCGCTGAACTGTAAATTCAC 6716
Qy      1091 AAATGACCAATTCCTCTATCCCATCTCATGCTTTTGGCTCCCTGTTCCCTTACCCG 1150
Db      6717 AAATGACCAATTCCTCTATCCCATCTCATGCTTTTGGCTCCCTGTTCCCTTACCCG 6776
Qy      1151 GGAATGCGTCACTTGTCTTACGACTTGCAAAATCTCTACCCAGTTCAATTTCAATAC 1210
Db      6777 GGAATGCGTCACTTGTCTTACGACTTGCAAAATCTCTACCCAGTTCAATTTCAATAC 6836
Qy      1211 CACTGTGAATCTTCCCTGACTTGAACAAGAGACTCAAGTAAACCTTCTCTGCTGCC 1270
Db      6837 CACTGTGAATCTTCCCTGACTTGAACAAGAGACTCAAGTAAACCTTCTCTGCTGCC 6896
Qy      1271 CCTGATCTGTAACATCTTGTCTGTATCTTTATCATATTTGAATATTAATATGTTG 1330
Db      6897 CCTGATCTGTAACATCTTGTCTGTATCTTTATCATATTTGAATATTAATATGTTG 6956
Qy      1331 ATATGTTGTTTGAACAAGACCAAGAAATCTCATGGGCCAAGTCCATCTTATTTA 1390

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Db      6957 ATATGTTGTTTGAACAAGACCAAGAAATCTCATGGGCCAAGTCCATCTTATTTA 7016
Qy      1391 CTTATATGTAATGACCTTAGCATTTTGAAGAGTGTGTAAGTGTCTCATGCTGTA 1450
Db      7017 CTTATATGTAATGACCTTAGCATTTTGAAGAGTGTGTAAGTGTCTCATGCTGTA 7076
Qy      1451 ATCCAAACAGTTTGGAGGCTGAGGCGGACATGCTTGAAGTGTGAGAGATTTGAACCA 1510
Db      7077 ATCCAAACAGTTTGGAGGCTGAGGCGGACATGCTTGAAGTGTGAGAGATTTGAACCA 7136
Qy      1511 GCTTGGCAATATGCAAAACCCCATCTTTATTAATAATACAAATTAAGCCAGGTGTGT 1570
Db      7137 GCTTGGCAATATGCAAAACCCCATCTTTATTAATAATACAAATTAAGCCAGGTGTGT 7196
Qy      1571 GGCTATGCTGTAATCCCATGCTGTATATCCACCTTGGAGGCTGAGGAGAGAT 1630
Db      7197 GGCTATGCTGTAATCCCATGCTGTATATCCACCTTGGAGGCTGAGGAGAGAT 7256
Qy      1631 CACTGAATCCAGAGGAGGAGGCTTGAAGTGAATGAGCACTGCACTCCAGCC 1690
Db      7257 CACTGAATCCAGAGGAGGAGGCTTGAAGTGAATGAGCACTGCACTCCAGCC 7316
Qy      1691 TGGGCAACACAGCAAAACTGCTGTGTAATAAAAAAAAAAAAAA 1739
Db      7317 TGGGCAACACAGCAAAACTGCTGTGTAATAAAAAAAAAAAAAAAGAGAGA 7365

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RESULT 2
US-09-949-016-14406
; Sequence 14406, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14406
; LENGTH: 19181
; TYPE: DNA
; ORGANISM: Human
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1) - (19181)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14406

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Query Match      97.7%; Score 1698.6; DB 4; Length 19181;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy      11 CGGGGGCATGACCTTAGAGTCAAGGGAATGTGGGCTTCCATTCATTTGCTGTAAACC 70
Db      5637 CAGGGGATGAGACTTAGAGTCAAGGGAATGTGGGCTTCCATTCATTTGCTGTAAACC 5696
Qy      71 AGTGGGTTGCAAGATAGAGAGGAGGCTTGGAGCAATTTCCAGTCACTGCTGTGGC 130
Db      5697 AGTGGGTTGCAAGATAGAGAGGAGGCTTGGAGCAATTTCCAGTCACTGCTGTGGC 5756
Qy      131 CGTGGCTCAGGAATAGTCTTGAAGTGGCAGGCTTGAACCCCTGAGGAGTGAAGACACT 190
Db      5757 CGTGGCTCAGGAATAGTCTTGAAGTGGCAGGCTTGAACCCCTGAGGAGTGAAGACACT 5816
Qy      191 GAAGATGATATTTCTGCTAATGTAGAGCTATGTTTTCATAGCAAGGGTCTTCATGTCT 250

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Db 5817 GAAAGATGATTAATTCCTCTAATGTAAGAGCTATGTTTTCATAGCCACAGGGTCTTCATGTC 5876
Qy 251 AGGAGATGGGCGACTTCTGGGAGCAAGTCACTACTGTCCTGAGCCCTGAATATCTCA 310
Db 5877 AGGAGATGGGCGACTTCTGGGAGCAAGTCACTACTGTCCTGAGCCCTGAATATCTCA 5936
Qy 311 TCTGTAATGAGATAGGATTAATTAATACCACATACAGGGGCTATTGGAGAACTA 370
Db 5937 TCTGTAATGAGATAGGATTAATTAATACCACATACAGGGGCTATTGGAGAACTA 5996
Qy 371 AATCAGAGAGTTCATTTGGGAGGCTCAGAGAGTATGATATTTCTGTCCTCAGAGAGTA 430
Db 5997 AATCAGAGAGTTCATTTGGGAGGCTCAGAGAGTATGATATTTCTGTCCTCAGAGAGTA 6056
Qy 431 AGCAGCAGAGTGAAGTATGTCCTCAGGAGTGAAGTATGATAGCAAAACAGCACTAAGCCC 490
Db 6057 AGCAGCAGAGTGAAGTATGTCCTCAGGAGTGAAGTATGATAGCAAAACAGCACTAAGCCC 6116
Qy 491 TGGACAGGGGATGATAGAGCTCCACTGAGATTAATTCCTCCATCACTGAACTTAAC 550
Db 6117 TGGACAGGGGATGATAGAGCTCCACTGAGATTAATTCCTCCATCACTGAACTTAAC 6176
Qy 551 AAGGCGCTTGAATCTTGCTTGGCAACAAGTATGCTTCTCCTGAGACACTCAAGTCC 610
Db 6177 AAGGCGCTTGAATCTTGCTTGGCAACAAGTATGCTTCTCCTGAGACACTCAAGTCC 6236
Qy 611 CTATGAGAGAGAGTGTCTTGAAGCAGCAGACAGAGAGAGAGTGAACATTTGGAAAA 670
Db 6237 CTATGAGAGAGAGTGTCTTGAAGCAGCAGACAGAGAGAGTGAACATTTGGAAAA 6296
Qy 671 CGGAGCAGAGTGAACAGGGGAGTGTGATATGTCCTCAGAGAGAGAGTGTGGAAA 730
Db 6297 CGGAGCAGAGTGAACAGGGGAGTGTGATATGTCCTCAGAGAGAGAGTGTGGAAA 6356
Qy 731 TGAAGGGATGAGGAAACAACAACCACTTATCTCTTGAAGACTCTTCTGCTCATTTAG 790
Db 6357 TGAAGGGATGAGGAAACAACAACCACTTATCTCTTGAAGACTCTTCTGCTCATTTAG 6416
Qy 791 TGAATTAAGGCCCAAGAGATTCAAGTGTGTTTCTGGGGTTTGGGCCCATCAAGACTGAG 850
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Qy 851 ATTTGGGCTTAAAGAGGCCCTCCCTGTAACCTGATAGGAGTCCCAAGAGAGTCTAGCT 910
Db 6477 ATTTGGGCTTAAAGAGGCCCTCCCTGTAACCTGATAGGAGTCCCAAGAGAGTCTAGCT 6536
Qy 911 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTCACTAGTGGCCAGACAAATGATGATG 970
Db 6537 GACTAGTGAAGAGTGTGCTGCTCAAGTCTTCACTAGTGGCCAGACAAATGATGATG 6596
Qy 971 TCCAGTGGGCCCATTTGCTTGAAGACATCCCTGTCCTGATCTTCACTTCCATCT 1030
Db 6597 TCCAGTGGGCCCATTTGCTTGAAGACATCCCTGTCCTGATCTTCACTTCCATCT 6656
Qy 1031 CTTTCTCCACACCTGCTCTCATTTAGTTCCTGCTGAGACTCTGAATTTCCAG 1090
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Qy 1091 AAATGACCACTTCCCTCTATCCATCTCATGCTTGTGCTCCCTGTTCCCTTAGCCCTG 1150
Db 6717 AAATGACCACTTCCCTCTATCCATCTCATGCTTGTGCTCCCTGTTCCCTTAGCCCTG 6776
Qy 1151 GGATGCGTTCACTTGTCTTACTGACTTGAACAACTCTTACCAAGTTTCAAAATTTCAAC 1210
Db 6777 GGATGCGTTCACTTGTCTTACTGACTTGAACAACTCTTACCAAGTTTCAAAATTTCAAC 6836
Qy 1211 CACTGTAATCTTCTCCCTGACTTTCACGAAGAGACTCAAGTATACCTTCTCTGCTGCC 1270
Db 6837 CACTGTAATCTTCTCCCTGACTTTCACGAAGAGACTCAAGTATACCTTCTCTGCTGCC 6896
Qy 1271 CCTGATCTGTACATCTTCTGATCTTATCATATTAAGTATTAATTAACCTGTTG 1330

Db 6897 CCTCCATCTGTACATACCTTCTGCTATCTTATCATATTTGAAGTATAATACTGTTG 6956
Qy 1331 ATATGTTGTTGTTTACACAAGACCAAGAAATCTCTCATGAGGCCAGTTCATTTTAA 1390
Db 6957 ATATGTTGTTGTTTACACAAGACCAAGAAATCTCTCATGAGGCCAGTTCATTTTAA 7016
Qy 1391 CTTTCAATGTTGAATGACCTTGAAGATTTGAAGAGTGTGTTAAGTGGCTCATGCTGTA 1450
Db 7017 CTTTCAATGTTGAATGACCTTGAAGATTTGAAGAGTGTGTTAAGTGGCTCATGCTGTA 7076
Qy 1451 ATCCCAACAGTTTGGAGAGCTGAGGCGGAGATGCTGTTGAGTCAAGAGTTGAAACCA 1510
Db 7077 ATCCCAACAGTTTGGAGAGCTGAGGCGGAGATGCTGTTGAGTCAAGAGTTGAAACCA 7136
Qy 1511 GCTTGGCCATATGAGCAAAACCCCATCTTATTAATAATACGAATTTAGCAGGTGGT 1570
Db 7137 GCTTGGCCATATGAGCAAAACCCCATCTTATTAATAATACGAATTTAGCAGGTGGT 7196
Qy 1571 GGCTATGCTGTAATCCCATGCTGTATATCCAGCTTGGAGAGCTGAGGAGAGAAAT 1630
Db 7197 GGCTATGCTGTAATCCCATGCTGTATATCCAGCTTGGAGAGCTGAGGAGAGAAAT 7256
Qy 1631 CACTGTAATTCAGAGAGCAGAGGTTGCACTGAATGAGATTGAGCACTGCACCTCCAGCC 1690
Db 7257 CACTGTAATTCAGAGAGCAGAGGTTGCACTGAATGAGATTGAGCACTGCACCTCCAGCC 7316
Qy 1691 TGGGCAACACTGAGCAAAACCTGCTGTGTAATAAAAAAAAAAAAAAAAAAAAAA 1739
Db 7317 TGGGCAACACTGAGCAAAACCTGCTGTGTAATAAAAAAAAAAAAAAAAAAAAAA 7365

RESULT 3
US-09-949-016-11956
; Sequence 11956, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11956
; LENGTH: 20713
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20713)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11956

Query Match 97.7%; Score 1698.6; DB 4; Length 20713;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

Qy 11 CGGGGCACTGACCTGAGGTCAAGGAAATGAGGCTCTCCAAATTCATTTGCTGTAAGCC 70
Db 6718 CAGGGGCACTGACCTGAGGTCAAGGAAATGAGGCTCTCCAAATTCATTTGCTGTAAGCC 6777
Qy 71 AGTGGGTTTGAAGATAGAGAGGAGGAGGTTGAGCAAAATTTCAAGGTCAAGTGTGGCC 130
Db 6778 AGTGGGTTTGAAGATAGAGAGGAGGAGGTTGAGCAAAATTTCAAGGTCAAGTGTGGCC 6837
Qy 131 CGTGCCCTCAGAAATGTTCTGACATGAGGCAAGCTTGAACCCCTGAGGATGAAGACT 190

Db 6838 CGTGGCCCTCAGGAATGGTTCTGACATGGGAGGCTGAGCCCTAGAGGATGMAACAACCT 6897
Qy 191 GAAATGATTAATTCGTCTAATGTAGAGATATGTTTTCATAGCCACAGGGTCTTCATGTC 250
Db 6898 GAAATGATTAATTCGTCTAATGTAGAGATATGTTTTCATAGCCACAGGGTCTTCATGTC 6957
Qy 251 AGGACATAGGGCAGCTCTGAGGAGCAGTCACTCTCTGTGAGCTGTAATATCTCA 310
Db 6958 AGGACATAGGGCAGCTCTGAGGAGCAGTCACTCTCTGTGAGCTGTAATATCTCA 7017
Qy 311 TCTGTAAATAGATTAAGTAAATATATATACCAACATAGAGGCTATGTGAGAACTA 370
Db 7018 TCTGTAAATAGATTAAGTAAATATATATATACCAACATAGAGGCTATGTGAGAACTA 7077
Qy 371 AATAGAGCAGTCCATTTGGGAGGCTCAGAGGATGAAATTTCTGCTCCAGAGGTA 430
Db 7078 AATAGAGCAGTCCATTTGGGAGGCTCAGAGGATGAAATTTCTGCTCCAGAGGTA 7137
Qy 431 AGCAGAGAGATGATGTCCATGGGTAGGATGTCTATAGCAAAAGACATTAAGCCC 490
Db 7138 AGCAGAGAGATGATGTCCATGGGTAGGATGTCTATAGCAAAAGACATTAAGCCC 7197
Qy 491 TGAACAGGGATGATGAGCTCCCACTGAGATTAATTTCCCTCATCATGAACTTAAC 550
Db 7198 TGAACAGGGATGATGAGCTCCCACTGAGATTAATTTCCCTCATCATGAACTTAAC 7257
Qy 551 AAGGCTTTGATCTTGGCAGAGAGTCCCTTCTGAGAGCCTTCTGAGAGCCTCAAGTCC 610
Db 7258 AAGGCTTTGATCTTGGCAGAGAGTCCCTTCTGAGAGCCTTCTGAGAGCCTCAAGTCC 7317
Qy 611 CTATGAGAGAGATGTTCTTAGGACAGAGACAGAGAGAGATGACATTTGGAAAA 670
Db 7318 CTATGAGAGAGATGTTCTTAGGACAGAGACAGAGAGAGATGACATTTGGAAAA 7377
Qy 671 CGAGGCAAGTGTGAACAGGGGATGCTTATGATGTGCCAGAGAAACCTTGGGAAA 730
Db 7378 CGAGGCAAGTGTGAACAGGGGATGCTTATGATGTGCCAGAGAAACCTTGGGAAA 7437
Qy 731 TGAAGGGTAGGAAACAACAACCACTTGTATCTCTTGAAGACTTTTGTGCTCATTTAG 790
Db 7438 TGAAGGGTAGGAAACAACAACCACTTGTATCTCTTGAAGACTTTTGTGCTCATTTAG 7497
Qy 791 TGAATAGAGGCCCCAGAGATTCAGTGTGTTTCTGAGGTTTGGGCCCATCAGAGTCAAG 850
Db 7498 TGAATAGAGGCCCCAGAGATTCAGTGTGTTTCTGAGGTTTGGGCCCATCAGAGTCAAG 7557
Qy 851 ATTTTGGGCTTTAAGAGAGCCCTCCCTGTAACCTGAGATGGGCTCCAGAGAGTCTAGCT 910
Db 7558 ATTTTGGGCTTTAAGAGAGCCCTCCCTGTAACCTGAGATGGGCTCCAGAGAGTCTAGCT 7617
Qy 911 GACTAGATGAGAGAGTGGCTGCTCAAGTCTTTCATCAATGAGGACAGACATGATGAGT 970
Db 7618 GACTAGATGAGAGAGTGGCTGCTCAAGTCTTTCATCAATGAGGACAGACATGATGAGT 7677
Qy 971 TCCAGTGGGCCCCCATTTGCTTGAAGACATCCCTGAGTCTGAGCTTTCATCTTCATCT 1030
Db 7678 TCCAGTGGGCCCCCATTTGCTTGAAGACATCCCTGAGTCTGAGCTTTCATCTTCATCT 7737
Qy 1031 CCTTCTCCACACCCCTGCTCTCATTTTAAAGTCTGAGGCTCTGAACTCTGAAATTTCCAC 1090
Db 7738 CCTTCTCCACACCCCTGCTCTCATTTTAAAGTCTGAGGCTCTGAACTCTGAAATTTCCAC 7797
Qy 1091 AAATGACCAATTCCTCATTCACATTCAGTCTTTTGGCTCTCTGTTCCCTTAGCTG 1150
Db 7798 AAATGACCAATTCCTCATTCACATTCAGTCTTTTGGCTCTCTGTTCCCTTAGCTG 7857
Qy 1151 GGATGCGTTCACTTGACTTGAAGTCAAAATCTTACCAAGCTTCAATTTCAATAC 1210
Db 7858 GGATGCGTTCACTTGACTTGAAGTCAAAATCTTACCAAGCTTCAATTTCAATAC 7917
Qy 1211 CACGTGAATTCCTTCACTTCAAGAGAGCTCAGATGAGCTTCTTCTGCTGCC 1270

Db 7918 CACTGTAATCTTCCCTGACTTACACAGAGAGCTCAGATAGACCTTCTCTGCTCC 7977
Qy 1271 CCTGCATCTGTACATCTTCTGTCTGTATCTTATCATATTTAGATATATATACTGTG 1330
Db 7978 CCTGCATCTGTACATCTTCTGTCTGTATCTTATCATATTTAGATATATATACTGTG 8037
Qy 1331 ATATGTTGGTTTAAACAAGACCAAGAAATCCTATGGGCGCAAGTCCATGCTTATTTA 1390
Db 8038 ATATGTTGGTTTAAACAAGACCAAGAAATCCTATGGGCGCAAGTCCATGCTTATTTA 8097
Qy 1391 CTTATGTTGAATGACCTTAGCATTTTGAAGAGTGTGTAAAGTGTCTATGCTGTGA 1450
Db 8098 CTTATGTTGAATGACCTTAGCATTTTGAAGAGTGTGTAAAGTGTCTATGCTGTGA 8157
Qy 1451 ATCCCAAGTTTGGAGGCTGAGGCGCGGAGATGCTTGAAGTCAAGAGTTTGAACA 1510
Db 8158 ATCCCAAGTTTGGAGGCTGAGGCGCGGAGATGCTTGAAGTCAAGAGTTTGAACA 8217
Qy 1511 GCTGGCCAAATATGGCAAAACCCCATCTTTATATAAATACAGAAATTTAGCAGGTGTGT 1570
Db 8218 GCTGGCCAAATATGGCAAAACCCCATCTTTATATAAATTTAGCAGGTGTGT 8277
Qy 1571 GGCTATGCTGTAAATCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGAAAT 1630
Db 8278 GGCTATGCTGTAAATCCATGCTGTATATCCAGCTTGGAGGCTGAGGAGAGAAAT 8337
Qy 1631 CACTGTAATCCAGAGAGAGAGTTCAGTGAATGAGATTTGAGCACTGCACTCCAGCC 1690
Db 8338 CACTGTAATCCAGAGAGAGAGTTCAGTGAATGAGATTTGAGCACTGCACTCCAGCC 8397
Qy 1691 TGGGCAACCTGAGCAAAACCTGCTGTCTGTAATAAAAAAAAAAAAAAAAAA 1739
Db 8398 TGGGCAACCTGAGCAAAACCTGCTGTCTGTAATAAAAAAAAAAAAAAAAAAAGAGGA 8446

RESULT 4
US-09-949-016-14403
; Sequence 14403, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14403
; LENGTH: 20727
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(20727)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14403

Query Match 97.7%; Score 1698.6; DB 4; Length 20727;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
Qy 11 CGGGGGGATGAGCTGAGTCAAGGAATGTGGGCTTCCATTCATTTGGCTGAAGCC 70
Db 6718 CAGGGGATGAGCTGAGTCAAGGAATGTGGGCTTCCATTCATTTGGCTGAAGCC 6777
Qy 71 AGTGGTTTGCAAGATGAGAGGCGAGGGTTGAGCAAAATTTCCAGTCACTGCTGGCC 130

Db 6778 AGTGGCTTTGCAAGATAGAGGGGAGGGTTGGAGCAAAATTTCCAGTCACTGCGGG 6837
Qy 131 CGTGGCTTCAAGAAATGTTCTGACATGGGAGGCTTTGACCCCTGAGGATGAAGACCT 190
Db 6838 CGTGGCTTCAAGAAATGTTCTGACATGGGAGGCTTTGACCCCTGAGGATGAAGACCT 6897
Qy 191 GAAGATGATTAATTCGTCTAATGTAAGAGCTAATGTTTCAATGACAAAGGCTTCAATGTC 250
Db 6898 GAAAGATGATTAATTCGTCTAATGTAAGAGCTAATGTTTCAATGACAAAGGCTTCAATGTC 6957
Qy 251 AGGACATGGGAGAGCTTCTGGGAGCAAGTCACTACTGCTCTGAGCCTGAATATCTCA 310
Db 6958 AAGGACATGGGAGAGCTTCTGGGAGCAAGTCACTACTGCTCTGAGCCTGAATATCTCA 7017
Qy 311 TCTGTAAATGAGGATAGGATTAATTAATCCACATACAGGGCTAATTTGAGAACTA 370
Db 7018 TCTGTAAATGAGGATAGGATTAATTAATCCACATACAGGGCTAATTTGAGAACTA 7077
Qy 371 AATCAGAGAGTCCAAATTTGGGAGGCTCAAGAGGTATGAAATTTCTGCTCCAGAGGTA 430
Db 7078 AATCAGAGAGTCCAAATTTGGGAGGCTCAAGAGGTATGAAATTTCTGCTCCAGAGGTA 7137
Qy 431 AGCAAGCAGATGAGATGTCCCATGGGTAGGATGTCAATAGCAAAACAAGCACTAAGCCC 490
Db 7138 AGCAAGCAGATGAGATGTCCCATGGGTAGGATGTCAATAGCAAAACAAGCACTAAGCCC 7197
Qy 491 TGGACAGGGGATGAGATGAGCTTCCCATGATTAATTTCTGCTCACTGAATCTTAAC 550
Db 7198 TGGACAGGGGATGAGATGAGCTTCCCATGATTAATTTCTGCTCACTGAATCTTAAC 7257
Qy 551 AAGGGCTTTGATCTTGGCTTGGGCAAGAGCATGCTTCTGAGACACATCAAGTCC 610
Db 7258 AAGGGCTTTGATCTTGGCTTGGGCAAGAGCATGCTTCTGAGACACATCAAGTCC 7317
Qy 611 CTATGAAAGAGAGATGTTCTAGGACAGAGCAAGAAAGAGAGATGACATTTGAGAAA 670
Db 7318 CTATGAAAGAGAGATGTTCTAGGACAGAGCAAGAAAGAGATGACATTTGAGAAA 7377
Qy 671 CGAGCCACAGTGTGAAACAGGGGATGCTTAATGTGTCCAGAGAAAGCACTTGGGAAA 730
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Qy 731 TGAAGGGTATGGGAAACAACAACCTTGAATCTCTTGAAGATCTTTCTGCTCAATGAG 790
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Db 7498 TGGATTAAGGCCCCAGAGATTCAGTGTGTTTCTGGGGTTTGGGCCCATCACAGAGTCAG 7557
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Db 7618 GACTAGTGAAGAGAGTGGCTGCTGCTTAATCTTCAATGAGGCTCAGACAAATGATAGTGC 7677
Qy 971 TCCAGTGGGCCCATTTGCTTGAGAGACATCCCTCTGCTCTGACTTCACTTCCATCT 1030
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Qy 1031 CCTTCTCCCAACCCCTGCTCTCATATTTAGATTCGCGGCTTGAACCTGAAATTCAC 1090
Db 7738 CCTTCTCCCAACCCCTGCTCTCATATTTAGATTCGCGGCTTGAACCTGAAATTCAC 7797
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Db 8398 TGGGCAACACTGAGCAAACTGCTGCTGTAATAAAAAAAAAAAAAA 8446

RESULT 5
US-09-949-016-14404
; Sequence 14404, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14404
; LENGTH: 20727
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20727)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14404

Query Match 97.7%; Score 1698.6; DB 4; Length 20727;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
Qy 11 CGGGGCGATGACCTGAGGTCAAGGAAATGAGGCTCTCCATTCATTTGCTGTAAGCC 70

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Db 7798 AAATGACACATTCCTTATCCCATCTCATGCTTTTGTGCTCTCTGTTCCCTTAGCCTG 7857
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RESULT 6
US-09-949-016-15291
Sequence 15291, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 15291
LENGTH: 20728
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) ... (20728)
OTHER INFORMATION: n = A, T, C or G
US-09-949-016-15291

Query Match 97.7%, Score 1698.6; DB 4; Length 20728;

Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

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RESULT 7
US-09-949-016-15292
; Sequence 15292, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15292
; LENGTH: 20728
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(20728)

OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15292

Query Match 97.7%; Score 1698.6; DB 4; Length 20728;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1710; Conservative 0; Mismatches 19; Indels 0; Gaps 0;

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QY 11 CGGGGGCATGAGACCTGAGGATGAGGAGTGGGCTCCCAATCCATTTGCTGTAAAGCC 70
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RESULT 8
US-09-495-050A-187
Sequence 187, Application US/09495050A
Patent No. 6492505
GENERAL INFORMATION:
APPLICANT: Roepa, Reddy
APPLICANT: Guegler, Karl, J.
APPLICANT: Au-Young, Janice
TITLE OR INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED P
FILE REFERENCE: PA-0013 US
CURRENT APPLICATION NUMBER: US/09/495,050A
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/118,318
NUMBER OF SEQ ID NOS: 305
SOFTWARE: PERL Program
SEQ ID NO 187
LENGTH: 1249
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6492505 2085633CB1
US-09-495-050A-187

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Query Match      71.6%; Score 1245.4; DB 4; Length 1249;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 442 TGAAGTGTCCATGGGTAGGATGTGATGACAAACAAACACTAGCCCTGACAGGGGA 501  
DB 1 TGAAGTGTCCATGGGTAGGATGTGATGACAAACAAACACTAGCCCTGACAGGGGA 60  
  
QY 502 TGAAGTGTCCATGGGTAGGATGTGATGACAAACAAACACTAGCCCTGACAGGGGA 561  
DB 61 TGAAGTGTCCATGGGTAGGATGTGATGACAAACAAACACTAGCCCTGACAGGGGA 120  
  
QY 562 ATCTGCTCTTGGACACAGCATGCTCTCTGAGACACACAAAGTCCCTATGAAAG 621  
DB 121 ATCTGCTCTTGGACACAGCATGCTCTCTGAGACACACAAAGTCCCTATGAAAG 180  
  
QY 622 AGAGTGTCTAGGACAGCAGACAAAGAGACATGACATTTGAAAAAGGACACAG 681  
DB 181 AGAGTGTCTAGGACAGCAGACAAAGAGACATGACATTTGAAAAAGGACACAG 240  
  
QY 682 TGTGAACAGGGGATGTGATGTGCTCCAGACAGAACACCTGGGAATGAGGGTAG 741  
DB 241 TGTGAACAGGGGATGTGATGTGCTCCAGACAGAACACCTGGGAATGAGGGTAG 300  
  
QY 742 GAAACAACCAACCTTGATCTCTTGAAGACTCTTCTGCTCATTGAGTGAAGGCC 801  
DB 301 GAAACAACCAACCTTGATCTCTTGAAGACTCTTCTGCTCATTGAGTGAAGGCC 360  
  
QY 802 CAGAGATTCAGATGTGTTTCTGGGGTTTGGGCCCATACAGAGTCAAGATTTGGGCT 861  
DB 361 CAGAGATTCAGATGTGTTTCTGGGGTTTGGGCCCATACAGAGTCAAGATTTGGGCT 420  
  
QY 862 TAAAGAGGCTCTCCCTGATCTGATGAGGCTCAAGAGACAGTCTGAGTGAAGT 921  
DB 421 TAAAGAGGCTCTCCCTGATCTGATGAGGCTCAAGAGACAGTCTGAGTGAAGT 480  
  
QY 922 CAGGTGGCTGCTCAAGTCTTCAATGATGAGCAGACAAATGATGATGAGTGGGCC 981  
DB 481 CAGGTGGCTGCTCAAGTCTTCAATGATGAGCAGACAAATGATGATGAGTGGGCC 540  
  
QY 982 CCATGCTTGAAGACACATCCCTGTGTCTGATCTTCACTTCCATCTCTTCCAC 1041  
DB 541 CCATGCTTGAAGACACATCCCTGTGTCTGATCTTCACTTCCATCTCTTCCAC 600  
  
QY 1042 ACCCTGCTCATTTTAAAGTCTGAGGCTCTGAACCTGAAATTCACAAATGACCAT 1101  
DB 601 ACCCTGCTCATTTTAAAGTCTGAGGCTCTGAACCTGAAATTCACAAATGACCAT 660  
  
QY 1102 TCCCTATCCCATCTCAATGCTTTTGTCTCTGTTCCCTTAACTGGAGTGGCTTCA 1161  
DB 661 TCCCTATCCCATCTCAATGCTTTTGTCTCTGTTCCCTTAACTGGAGTGGCTTCA 720  
  
QY 1162 CTGCTTAACTGATCTTGAACAACTGTAACCCAGTTTCAATTTCAATACATGTAATC 1221  
DB 721 CTGCTTAACTGATCTTGAACAACTGTAACCCAGTTTCAATTTCAATACATGTAATC 780  
  
QY 1222 CTGCTGATCTTCAACAGAGATGATGATGATGATGATGATGATGATGATGATG 1281  
DB 781 CTGCTGATCTTCAACAGAGATGATGATGATGATGATGATGATGATGATGATG 840  
  
QY 1282 ACATATCTTGTGTGTATCTTATCATATGAAATGAAATGAAATGAAATGAAATG 1341  
DB 841 ACATATCTTGTGTGTATCTTATCATATGAAATGAAATGAAATGAAATGAAATG 900  
  
QY 1342 TTTAACAAGACCAAGAAATCTCATAGGAGGACAGTCCATTTTCACTTCACTTGA 1401  
DB 901 TTTAACAAGACCAAGAAATCTCATAGGAGGACAGTCCATTTTCACTTCACTTGA 960  
  
QY 1402 ATGCACTTGAATTTGAGAGGTTGTTAAAGTGGCTCATGCTGTAAATCCCAACAT 1461  
DB 1461 ATGCACTTGAATTTGAGAGGTTGTTAAAGTGGCTCATGCTGTAAATCCCAACAT 1521
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DB 961 ATGCACTTGAATTTGAGAGGTTGTTAAAGTGGCTCATGCTGTAAATCCCAACAT 1020  
QY 1462 TTTGAGAGCTGAGGCTGGGACATGCTTGAAGTCAAGATTTGAAACCAAGCTGGCCAT 1521  
DB 1021 TTTGAGAGCTGAGGCTGGGACATGCTTGAAGTCAAGATTTGAAACCAAGCTGGCCAT 1080  
QY 1522 ATGCAAAACCCATCTTAAATTAAGAAATGAAATGAAATGAAATGAAATGAAATG 1581  
DB 1081 ATGCAAAACCCATCTTAAATTAAGAAATGAAATGAAATGAAATGAAATGAAATG 1140  
QY 1582 GTAATCCATGCTGTAATCCAGGCTTGGAGGCTGAGGAGGAGAAATCACTTGAATCC 1641  
DB 1141 GTAATCCATGCTGTAATCCAGGCTTGGAGGCTGAGGAGGAGAAATCACTTGAATCC 1200  
QY 1642 AGGAGCAGAGGTTGACGTGAATGAGATGAGCACTGACCTCCAG 1688  
DB 1201 AGGAGCAGAGGTTGACGTGAATGAGATGAGCACTGACCTCCAG 1247  
  
RESULT 9  
US-09-949-016-22336/C  
; Sequence 22336, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE. METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 22336  
; LENGTH: 601  
; TYPE: DNA  
; ORGANISM: Human  
US-09-949-016-22336  
  
Query Match      34.5%; Score 600.6; DB 4; Length 601;  
Best Local Similarity 99.8%; Pred. No. 3.5e-185;  
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
  
QY 974 AGTGGGCCCCATGTGTGACAGACACATCCCTGTGTCTGATCTTCACTTCCATCTCT 1033  
DB 601 AGTGGGCCCCATGTGTGACAGACACATCCCTGTGTCTGATCTTCACTTCCATCTCT 542  
  
QY 1034 TCTCCACACCCCTGCTCATTTTAAAGTCTGAGGCTCTGAACTGAAATTCACAAA 1093  
DB 541 TCTCCACACCCCTGCTCATTTTAAAGTCTGAGGCTCTGAACTGAAATTCACAAA 482  
  
QY 1094 TGACCATTCCTCTATCCATCTTCATGCTTGTGCTCTGCTGTGCTTAACTGAGTGGGA 1153  
DB 481 TGACCATTCCTCTATCCATCTTCATGCTTGTGCTCTGCTGTGCTTAACTGAGTGGGA 422  
  
QY 1154 TGGCTTAACTGATCTTGAACAACTGTAACCCAGTTTCAATTTCAATACATGTAATC 1213  
DB 421 TGGCTTAACTGATCTTGAACAACTGTAACCCAGTTTCAATTTCAATACATGTAATC 362  
  
QY 1214 TGTGAATCTTCCCTGATCTTCAACAGAGATGATGATGATGATGATGATGATGATG 1273  
DB 361 TGTGAATCTTCCCTGATCTTCAACAGAGATGATGATGATGATGATGATGATGATG 302  
  
QY 1274 GCATCTGACATCTTCTGTGTATCTTATCATATGAAATGAAATGAAATGAAATGAAATG 1333  
DB 301 GCATCTGACATCTTCTGTGTATCTTATCATATGAAATGAAATGAAATGAAATGAAATG 242  
  
QY 1334 TGTGTGTGTAAACAAAGAAATCCCTCATGAGGCAAGTGCATGCTTATTTACTT 1393
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Db      241 TGTGGTGTTTTACACAAAGCAAGAAATCTTATGGCCCAATCCATGCTTATTTACTT 182
Qy      1394 CATGTGAATGACCTAGCATTTGAGAAAGTGTGGTAAAGTGGCTCATGCTGTATATC 1453
Db      181 CATGTGAATGACCTAGCATTTGAGAAAGTGTGGTAAAGTGGCTCATGCTGTATATC 122
Qy      1454 CCAACAGTTTGGAGAGCTGAGGCGGAGATCGCTTGAAGTCAAGAGTTTGAACCAAGCC 1513
Db      121 CCAACAGTTTGGAGAGCTGAGGCGGAGATCGCTTGAAGTCAAGAGTTTGAACCAAGCC 62
Qy      1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAAATACAGAAATTAAGCAGGTGTGTGGC 1573
Db      61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAAATACAGAAATTAAGCAGGTGTGTGGC 2
Qy      1574 T 1574
Db      1 T 1

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RESULT 10
US-09-949-016-92741/c
; Sequence 92741, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92741
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92741

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Query Match      34.5%; Score 600.6; DB 4; Length 601;
Best Local Similarity 99.8%; Pred. No. 3.5e-185;
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      974 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTGTGACTTTCATCTTCTCT 1033
Db      601 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTGTGACTTTCATCTTCTCT 542
Qy      1034 TCTCCACACCCCTGCTCTCATTTTAGTTCTGCGGCTCTGAACTGTGAATTCACAAA 1093
Db      541 TCTCCACACCCCTGCTCTCATTTTAGTTCTGCGGCTCTGAACTGTGAATTCACAAA 482
Qy      1094 TGCACCAATTCCTCTATCCCATCTCATGCTTTTGTCTCTCTGTTCCCTTAGCTGGGA 1153
Db      481 TGCACCAATTCCTCTATCCCATCTCATGCTTTTGTCTCTCTGTTCCCTTAGCTGGGA 422
Qy      1154 TGCCTTCACTTGTCTTACTGACTTGACACTTCAACCAAGTTTCAATTTGATACACAC 1213
Db      421 TGCCTTCACTTGTCTTACTGACTTGACACTTCAACCAAGTTTCAATTTGATACACAC 362
Qy      1214 TGTGAATCTTCTCTGACTTACCAAGAGACTCAGATAGACCTTCTCTGCTCCCTCT 1273
Db      361 TGTGAATCTTCTCTGACTTACCAAGAGACTCAGATAGACCTTCTCTGCTCCCTCT 302
Qy      1274 GCATCTGATACACTTCTGTCTGTATCTTTATCATATTTGAAGTATATTAACCTGTTGATA 1333
Db      301 SCATCTGTACATCTTCTGTCTGTATCTTTATCATATTTGAAGTATATTAACCTGTTGATA 242

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Qy      1334 TGTGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCCATGCTTATTTACTT 1393
Db      241 TGTGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCCATGCTTATTTACTT 182
Qy      1394 CATGTGAATGACCTAGCATTTGAGAAAGTGTGGTAAAGTGGCTCATGCTGTATATC 1453
Db      181 CATGTGAATGACCTAGCATTTGAGAAAGTGTGGTAAAGTGGCTCATGCTGTATATC 122
Qy      1454 CCAACAGTTTGGAGAGCTGAGGCGGAGATCGCTTGAAGTCAAGAGTTTGAACCAAGCC 1513
Db      121 CCAACAGTTTGGAGAGCTGAGGCGGAGATCGCTTGAAGTCAAGAGTTTGAACCAAGCC 62
Qy      1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAAATACAGAAATTAAGCAGGTGTGTGGC 1573
Db      61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAAATACAGAAATTAAGCAGGTGTGTGGC 2
Qy      1574 T 1574
Db      1 T 1

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RESULT 11
US-09-949-016-92755/c
; Sequence 92755, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92755
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92755

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Query Match      34.5%; Score 600.6; DB 4; Length 601;
Best Local Similarity 99.8%; Pred. No. 3.5e-185;
Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      974 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTGTGACTTTCATCTTCTCT 1033
Db      601 AGTGGGCCCCATTGCTTGAGACACATCCCTGTGCTGTGACTTTCATCTTCTCT 542
Qy      1034 TCTCCACACCCCTGCTCTCATTTTAGTTCTGCGGCTCTGAACTGTGAATTCACAAA 1093
Db      541 TCTCCACACCCCTGCTCTCATTTTAGTTCTGCGGCTCTGAACTGTGAATTCACAAA 482
Qy      1094 TGCACCAATTCCTCTATCCCATCTCATGCTTTTGTCTCTCTGTTCCCTTAGCTGGGA 1153
Db      481 TGCACCAATTCCTCTATCCCATCTCATGCTTTTGTCTCTCTGTTCCCTTAGCTGGGA 422
Qy      1154 TGCCTTCACTTGTCTTACTGACTTGACACTTCAACCAAGTTTCAATTTGATACACAC 1213
Db      421 TGCCTTCACTTGTCTTACTGACTTGACACTTCAACCAAGTTTCAATTTGATACACAC 362
Qy      1214 TGTGAATCTTCTCTGACTTACCAAGAGACTCAGATAGACCTTCTCTGCTCCCTCT 1273
Db      361 TGTGAATCTTCTCTGACTTACCAAGAGACTCAGATAGACCTTCTCTGCTCCCTCT 302
Qy      1274 GCATCTGATACACTTCTGTCTGTATCTTTATCATATTTGAAGTATATTAACCTGTTGATA 1333
Db      301 SCATCTGTACATCTTCTGTCTGTATCTTTATCATATTTGAAGTATATTAACCTGTTGATA 242

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OY 1334 TGTGGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCATGCTTATTACTT 1393
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DB 241 TGTGGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCATGCTTATTACTT 182
|
OY 1394 CATGTTGAATGACCTAGATTTGAGAGAGTGGTGGTAAAGTGCTCATGCTGTAAATC 1453
|
DB 181 CATGTTGAATGACCTAGATTTGAGAGAGTGGTGGTAAAGTGCTCATGCTGTAAATC 122
|
OY 1454 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACAGGC 1513
|
DB 121 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACAGGC 62
|
OY 1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAACAGAAATTAACCCAGGTGTGGC 1573
|
DB 61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAACAGAAATTAACCCAGGTGTGGC 2
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OY 1574 T 1574
|
DB 1 T 1
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RESULT 12

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US-09-949-016-92769/c
; Sequence 92769, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92769
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92769
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Query Match 34.5%; Score 600.6; DB 4; Length 601;

Best Local Similarity 99.8%; Pred. No. 3.5e-185;

Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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OY 974 AGTGGGCCCATTTGCTGACAGACATCCCTCTGTGCTGACCTTCACTTCACTCTCT 1033
|
DB 601 AGTGGGCCCATTTGCTGACAGACATCCCTCTGTGCTGACCTTCACTTCACTCTCT 542
|
OY 1034 TCTCCCAACCCCTGCTCATATTTAGTTCCGCGCTCTGAATCTGAAATTTCCACAAA 1093
|
DB 541 TCTCCCAACCCCTGCTCATATTTAGTTCCGCGCTCTGAATCTGAAATTTCCACAAA 482
|
OY 1094 TGCACATTTCCCTATCCCATCTCCATGCTTTGGCTCTCTGTTCCCTTAAGCTGGGA 1153
|
DB 481 TGCACATTTCCCTATCCCATCTCCATGCTTTGGCTCTCTGTTCCCTTAAGCTGGGA 422
|
OY 1154 TGCCTTCACTTGTCTTATGACTTGAACAAATCTTAACCAAGTTTCAATACAC 1213
|
DB 421 TGCCTTCACTTGTCTTATGACTTGAACAAATCTTAACCAAGTTTCAATACAC 362
|
OY 1214 TGTGAATCTTCTCCCTGACTTCAACAAAGACTCAAGATTAAGCTTCTCTGCTCCCT 1273
|
DB 361 TGTGAATCTTCTCCCTGACTTCAACAAAGACTCAAGATTAAGCTTCTCTGCTCCCT 302
|
OY 1274 GCATCTGATACATCTTCTGTATCTTATCATATTAAGATTAATAACTGTGTATA 1333
|
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DB 301 SCATCTGATACATCTTCTGTATCTTATCATATTAAGATTAATAACTGTGTATA 242
|
OY 1334 TGTGGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCATGCTTATTACTT 1393
|
DB 241 TGTGGTGTTTACACAAAGCAAGAAATCTCATGGGCCAAGTCATGCTTATTACTT 182
|
OY 1394 CATGTTGAATGACCTAGATTTGAGAGAGTGGTGGTAAAGTGCTCATGCTGTAAATC 1453
|
DB 181 CATGTTGAATGACCTAGATTTGAGAGAGTGGTGGTAAAGTGCTCATGCTGTAAATC 122
|
OY 1454 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACAGGC 1513
|
DB 121 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTGAAACAGGC 62
|
OY 1514 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAACAGAAATTAACCCAGGTGTGGC 1573
|
DB 61 TGGCCAAATATGGCAAAACCCCATCTTTATATAAATAACAGAAATTAACCCAGGTGTGGC 2
|
OY 1574 T 1574
|
DB 1 T 1
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RESULT 13

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US-09-949-016-92783/c
; Sequence 92783, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 92783
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92783
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Query Match 34.5%; Score 600.6; DB 4; Length 601;

Best Local Similarity 99.8%; Pred. No. 3.5e-185;

Matches 600; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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OY 974 AGTGGGCCCATTTGCTGACAGACATCCCTCTGTGCTGACCTTCACTTCACTCTCT 1033
|
DB 601 AGTGGGCCCATTTGCTGACAGACATCCCTCTGTGCTGACCTTCACTTCACTCTCT 542
|
OY 1034 TCTCCCAACCCCTGCTCATATTTAGTTCCGCGCTCTGAATCTGAAATTTCCACAAA 1093
|
DB 541 TCTCCCAACCCCTGCTCATATTTAGTTCCGCGCTCTGAATCTGAAATTTCCACAAA 482
|
OY 1094 TGCACATTTCCCTATCCCATCTCCATGCTTTGGCTCTCTGTTCCCTTAAGCTGGGA 1153
|
DB 481 TGCACATTTCCCTATCCCATCTCCATGCTTTGGCTCTCTGTTCCCTTAAGCTGGGA 422
|
OY 1154 TGCCTTCACTTGTCTTATGACTTGAACAAATCTTAACCAAGTTTCAATACAC 1213
|
DB 421 TGCCTTCACTTGTCTTATGACTTGAACAAATCTTAACCAAGTTTCAATACAC 362
|
OY 1214 TGTGAATCTTCTCCCTGACTTCAACAAAGACTCAAGATTAAGCTTCTCTGCTCCCT 1273
|
DB 361 TGTGAATCTTCTCCCTGACTTCAACAAAGACTCAAGATTAAGCTTCTCTGCTCCCT 302
|
OY 1274 GCATCTGATACATCTTCTGTATCTTATCATATTAAGATTAATAACTGTGTATA 1333
|
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Db 301 SCATCTGACACTTCTGTCTGTATCTTTATCATATGAGTAAATTAACCTGTGATA 242
QY 1334 TGTGGTGTATTACACAGACCAAGAAATCCCTCATGAGGCGAGTCCATGCTTATTACT 1393
Db 241 TGTGGTGTATTACACAGACCAAGAAATCCCTCATGAGGCGAGTCCATGCTTATTACT 182
QY 1394 CATGTGTAATGCACTTACATTTTGAAGAGTGTGTGAAGTGGCTCATGCTTATATC 1453
Db 181 CATGTGTAATGCACTTACATTTTGAAGAGTGTGTGAAGTGGCTCATGCTTATATC 122
QY 1454 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTTGAACCGACC 1513
Db 121 CCAACAGTTTGGAGGCTGAGGCGGAGATGCTTGAAGTCAAGAGTTTGAACCGACC 62
QY 1514 TGGCCATATATGCAAAACCCCATCTTTATTAATAATACAGAAATTAGCCAGGTGTGTGC 1573
Db 61 TGGCCATATATGCAAAACCCCATCTTTATTAATAATACAGAAATTAGCCAGGTGTGTGC 2
QY 1574 T 1574
Db 1 T 1
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RESULT 14
US-09-949-016-22337/c
; Sequence 22337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 22337
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22337
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Query Match 34.0%; Score 592; DB 4; Length 601;
Best Local Similarity 99.7%; Pred. No. 2,2e-182;
Matches 592; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 11 CGGGGGCATGACCTGAGGCTCAAGGAAATGTGGGCTCTCCAAATCCATTTGCTGTAAGCC 70
Db 594 CAGGGGCAATGACCTGAGGCTCAAGGAAATGTGGGCTCTCCAAATCCATTTGCTGTAAGCC 535
QY 71 AGTGGCTTTCAGAGATAGAGAGGCGAGGCTTGAAGCAATTTCCAGGTCACTGTGAGGC 130
Db 534 AGTGGCTTTCAGAGATAGAGAGGCGAGGCTTGAAGCAATTTCCAGGTCACTGTGAGGC 475
QY 131 CGTGCCCTCAGGAAATGCTTGCATATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 190
Db 474 CGTGCCCTCAGGAAATGCTTGCATATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 415
QY 191 GAAGATGATTAATTCCTATATAGAGGCTATGTTTCAATAGCCACAGGCTTTCATGTC 250
Db 414 GAAGATGATTAATTCCTATATAGAGGCTATGTTTCAATAGCCACAGGCTTTCATGTC 355
QY 251 AGGGACATGGGCGAGCTTCTGGGCGACAGTCACTGCTCTGAGCCTGAATATCTCA 310
Db 354 AGGGACATGGGCGAGCTTCTGGGCGACAGTCACTGCTCTGAGCCTGAATATCTCA 295
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QY 311 TCTGTAATAATGAGATTAAGTATATATATATACCAACATACAGGCTATTTGGAACCTA 370
Db 294 TCTGTAATAATGAGATTAAGTATATATATATACCAACATACAGGCTATTTGGAACCTA 235
QY 371 AATCAGAGCATCTCAATTTGGGCGAGGCTCAGAGGATGAATTTCTGCTCCAGAGGTA 430
Db 234 AATCAGAGCATCTCAATTTGGGCGAGGCTCAGAGGATGAATTTCTGCTCCAGAGGTA 175
QY 431 AGCAACAGATGAGATGTCCTCATAGGATGAGGATGTCATAGACAAACAGACCTAACCC 490
Db 174 AGCAACAGATGAGATGTCCTCATAGGATGAGGATGTCATAGACAAACAGACCTAACCC 115
QY 491 TGGACAGGGGATGAGATGAGGCTCCCATGAGATTAATTTCCCTCATACCTGAATCTAAC 550
Db 114 TGGACAGGGGATGAGATGAGGCTCCCATGAGATTAATTTCCCTCATACCTGAATCTAAC 55
QY 551 AAGGCTTTGATCTTGGCTTTGGCAACAGATGCTTCTCTGAGACACTAC 604
Db 54 AAGGCTTTGATCTTGGCTTTGGCAACAGATGCTTCTCTGAGACACTAC 1
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RESULT 15
US-09-949-016-92740/c
; Sequence 92740, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 92740
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-92740
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Best Local Similarity 99.7%; Pred. No. 2,2e-182;
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Db 534 AGTGGCTTTCAGAGATAGAGAGGCGAGGCTTGAAGCAATTTCCAGGTCACTGTGAGGC 475
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Db 474 CGTGCCCTCAGGAAATGCTTGCATATGGGCGAGGCTTGACCCCTGAGGATGAAGACACT 415
QY 191 GAAGATGATTAATTCCTATATAGAGGCTATGTTTCAATAGCCACAGGCTTTCATGTC 250
Db 414 GAAGATGATTAATTCCTATATAGAGGCTATGTTTCAATAGCCACAGGCTTTCATGTC 355
QY 251 AGGGACATGGGCGAGCTTCTGGGCGACAGTCACTGCTCTGAGCCTGAATATCTCA 310
Db 354 AGGGACATGGGCGAGCTTCTGGGCGACAGTCACTGCTCTGAGCCTGAATATCTCA 295
QY 311 TCTGTAATAATGAGATTAAGTATATATATATACCAACATACAGGCTATTTGGAACCTA 370
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Oy 431 AGCAAGCAGAGTGAATGTCCCATGGGTAGGATGTCTATAGACAAACAGCACTAGCCC 490
Db 174 AGCAAGCAGAGTGAATGTCCCATGGGTAGGATGTCTATAGACAAACAGCACTAGCCC 115
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Db 114 TGGACAGGGGATGGATGAGCCTTCCCACTGAGATTATTTCCCTCCATCACTGAACCTTAA 55
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Mon Feb 7 16:18:46 2005

us-09-864-711-4.rnpb

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 6, 2005, 20:39:38 ; Search time 961.108 Seconds
(without alignments)
10414.270 Million cell updates/sec

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Perfect score: 1739

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Gapop 10.0 , Gapext 1.0

Searched: 4313806 seqs, 2877871033 residues

Total number of hits satisfying chosen parameters: 8627612

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	1372	78.9	1420	9	US-09-872-153-9
3	1245.4	71.6	1249	15	US-10-313-542-187
4	402	23.1	402	14	US-10-060-036-3766
5	402	23.1	402	14	US-10-060-036-4049
6	194.2	11.2	174448	13	US-10-087-182-148
7	193.2	11.1	169567	18	US-10-719-993-6774
8	192.6	11.1	2655	13	US-10-027-632-250936
9	192.6	11.1	2655	13	US-10-027-632-250937
10	192.6	11.1	2655	13	US-10-027-632-250938
11	192.6	11.1	2655	13	US-10-027-632-250939

C 12	192.6	11.1	2655	17	US-10-027-632-250936	Sequence 250936,
C 13	192.6	11.1	2655	17	US-10-027-632-250937	Sequence 250937,
C 14	192.6	11.1	2655	17	US-10-027-632-250938	Sequence 250938,
C 15	192.6	11.1	2655	17	US-10-027-632-250939	Sequence 250939,
C 16	190.8	11.0	108316	15	US-10-292-798-1789	Sequence 1789, Ap
C 17	190.8	11.0	108317	15	US-10-017-161-2143	Sequence 2143, Ap
C 18	190	10.9	46846	13	US-10-087-192-1018	Sequence 1018, Ap
C 19	189.4	10.9	35425	15	US-10-017-161-2429	Sequence 2429, Ap
C 20	189.4	10.9	35425	17	US-10-292-798-2069	Sequence 2069, Ap
C 21	189	10.9	65454	17	US-10-293-864-11	Sequence 11, Appl
C 22	188.8	10.9	32404	11	US-09-997-722-160	Sequence 160, Appl
C 23	187.6	10.8	1960	17	US-10-108-260A-1665	Sequence 1665, Ap
C 24	187.4	10.8	24318	18	US-10-332-281-104	Sequence 504, Ap
C 25	187.2	10.8	32757	18	US-10-322-281-140	Sequence 140, Ap
C 26	186.2	10.7	64011	18	US-10-719-993-6991	Sequence 6991, Ap
C 27	186.2	10.7	85571	18	US-10-719-993-6778	Sequence 6778, Ap
C 28	186.2	10.7	91352	17	US-10-300-611-4	Sequence 4, Appl
C 29	185.8	10.7	2049	13	US-10-027-632-99848	Sequence 99848, A
C 30	185.8	10.7	2049	17	US-10-027-632-99848	Sequence 99848, A
C 31	185.4	10.7	176001	17	US-10-210-556-27	Sequence 27, Appl
C 32	185.4	10.7	186739	17	US-10-210-556-19	Sequence 19, Appl
C 33	185.4	10.7	430442	18	US-10-417-375-128	Sequence 128, Appl
C 34	185.2	10.6	22111	17	US-10-212-993-11	Sequence 11, Appl
C 35	185.2	10.6	69770	17	US-10-292-798-1323	Sequence 1323, Ap
C 36	184.4	10.6	5197	9	US-09-860-670-248	Sequence 248, App
C 37	184.4	10.6	5197	17	US-10-227-646-248	Sequence 248, App
C 38	184.4	10.6	14426	9	US-09-860-670-249	Sequence 249, App
C 39	184.4	10.6	14426	17	US-09-860-670-252	Sequence 252, App
C 40	184.4	10.6	14426	17	US-10-227-646-249	Sequence 249, App
C 41	184.4	10.6	14426	17	US-10-227-646-252	Sequence 252, App
C 42	184.4	10.6	90541	9	US-09-759-359A-3	Sequence 3, Appl
C 43	184.4	10.6	90541	16	US-10-207-973-3	Sequence 3, Appl
C 44	184.4	10.6	90541	18	US-10-799-676-3	Sequence 3, Appl
C 45	184.2	10.6	31277	13	US-10-087-192-1510	Sequence 1510, Ap

ALIGNMENTS

RESULT 1

US-09-864-711-4

Sequence 4, Application US/09864711

Patent No. US2002007309A1

GENERAL INFORMATION:

APPLICANT: Walker, Michael G.

APPLICANT: Volkmut, Wayne

APPLICANT: Klingler, Tod M.

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS

FILE REFERENCE: PB-0008-1 CIP

CURRENT APPLICATION NUMBER: US/09/864,711

CURRENT FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PERL Program

SEQ ID NO 4

LENGTH: 1739

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: 888309CB1

US-09-864-711-4

Query Match	Score	DB 9	Length	1739
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				Gaps
				0
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DB	61	CTGTAAACCAAGTGGGTTTGAAGATAGAGAGGAGGAGGTTTGAACAATTTCCAGGTCA	120	

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193 AGATGATAATTCCTGCTAATGATGAGGCTATGTTTTCATGAGCCACAGGCTTCATGTCAG 252
181 AGATGATAATTCCTGCTAATGATGAGGCTATGTTTTCATGAGCCACAGGCTTCATGTCAG 240
253 GGAATGAGGAGGCTTCTGAGGAGCAAGTCACTAATCTCTGAGCCTGAATATCTCATC 312
241 GGAATGAGGAGGCTTCTGAGGAGCAAGTCACTAATCTCTGAGCCTGAATATCTCATC 300
313 TGTAAATAGGATGAAGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 372
301 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 360
373 TGAAGCAGTCCAAATGGGAGGCTCAGAGGATGAATTAATTTCTGCTCCAGAGGATGA 432
361 TGAAGCAGTCCAAATGGGAGGCTCAGAGGATGAATTAATTTCTGCTCCAGAGGATGA 420
433 CAGCAGAGTGAAGATGCTCCATGGGATGATGATGATGATGATGATGATGATGATGAT 492
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493 GACAGGAGTGAATGAGGCTCCCACTGATTAATTTCCCTCCATGCTGAATCTTAACA 552
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601 ATGAAGAGAGATGTTTCTAGGAGAGGAGCAAGAGAGAGAGAGAGAGAGAGAGAGAG 660
673 GAGCCAGAGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 732
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973 CAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1032
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1021 TTTCTCCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1080
1093 ATGACACATTTCCCTCTAATCCCATCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1152
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RESULT 3
US-10-313-542-187
; Sequence 187, Application US/10313542
; Publication No. US20030120057A1
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guejler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED P
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/10/313,542
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: US/09/495,050
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030120057A1 2085633CB1
US-10-313-542-187

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Best Local Similarity 99.9%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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61 TGAATGAGGCTCCCACTGAGATTAATTTCCCTCCATCACTGAGACTGAACCTTAACAAGGAGGCTTTG 120
562 ATCTTGCTTTGAGCAAGAGATGCTTCTCTGAGCACTAACAAGTCCCTTAATGAAGAG 621
121 ATCTTGCTTTGAGCAAGAGATGCTTCTCTGAGCACTAACAAGTCCCTTAATGAAGAG 180
622 AGAGTTCTTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 681
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741 TGTGAACAGGGAGATGCTTAAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
742 GAAACACCAACAACCTTATCTCTTGAAGACTTTTCTGCTCATTTGAAGGATGAAGGCC 801
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Db	421	TAAAGAGGCCCTCCCTGCTACCTGGATGGGCTCCAAAGACAGTCTCAGCTGACTGAGTGA	480
OY	922	CAGGTGGCTTGCCTCAAGTCTTCACTCAGTGGCCAGCAATGATGATGTCAGTGGGCC	981
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Db	601	ACCTGCTCTCATTTTATGATTCCTGGGCCCTGTAACCTGTAAATTCACAATAAGCCAT	660
OY	1102	TCCCTCTATCCCATCTCCATGCTTTTGGCTCTCTCTGTTCCCTTAAAGCTGGAGTCGTTCA	1161
Db	661	TCCCTCTATCCCATCTCCATGCTTTTGGCTCTCTCTGTTCCCTTAAAGCTGGAGTCGTTCA	720
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OY	1222	CTTCCCTGACTTGCACCAAGAGTCAAGATGACCTTCTCTGCTCCCTCCGTCATCTGT	1281
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OY	1282	ACATACCTTCTGTCTGTATCTTTATCATATTTGAAGTATATAACGTGTATATGTTGGTG	1341
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OY	1342	TTTTCACAAAGCCAAAGAAATCTCATGGGCCAAGTCATGCTTTATTTACTTCATGTGA	1401
Db	901	TTTTCACAAAGCCAAAGAAATCTCATGGGCCAAGTCATGCTTTATTTACTTCATGTGA	960
OY	1402	ATGCACCTTGACATTTGAGAAGGTGGTGTAAAGGGCTGATGCTGTATATCCCAACGT	1461
Db	961	ATGCACCTTGACATTTGAGAAGGTGGTGTAAAGGGCTGATGCTGTATATCCCAACGT	1020
OY	1462	TTGGAGGCTGAGGCCCTGGCAGATGCTGAGGTTCAGAGTTTGAACACAGCTGGCCAT	1521
Db	1021	TTGGAGGCTGAGGCCCTGGCAGATGCTGAGGTTCAGAGTTTGAACACAGCTGGCCAT	1080
OY	1522	ATGGCAAAACCCCATCTTTATATAAATTCAGAAATTAAGCCAGGTGTGGTGCCTATGCTT	1581
Db	1081	ATGGCAAAACCCCATCTTTATATAAATTCAGAAATTAAGCCAGGTGTGGTGCCTATGCTT	1140
OY	1582	GTAATCCCATGCTGTAAATCCCAAGCTTTGGAGGCTGAGGAGAGAGATCACTTGAATCC	1641
Db	1141	GTAATCCCATGCTGTAAATCCCAAGCTTTGGAGGCTGAGGAGAGAGATCACTTGAATCC	1200
OY	1642	AGGAGGAGAGGTTGCAATGAAATGAAATTTGAACCACTGCACTCCAG	1668
Db	1201	AGGAGGAGAGGTTGCAATGAAATGAAATTTGAACCACTGCACTCCAG	1247

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? FILE REFERENCE: 210121.566
? CURRENT APPLICATION NUMBER: US/10/060,036
? CURRENT FILING DATE: 2002-01-30
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? SOFTWARE: FASTSEQ For Windows Version 4.0.
? SEQ ID NO 3766
? LENGTH: 402
? TYPE: DNA
? ORGANISM: Homo sapiens
US-10-060-036-3766

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QY	880	ACCTGAAATGGAGCTTCOAAGGCAAGTCCAGCTGACCTGAAATAGACAGAGTGGCTCTGCTTCAAG	939
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QY	940	TCCTTCATCAGTGGCCAGCACAATGATGAGTGTCCAGTGGGCCCATTCGCTTGGACACACA	999
Db	342	TCCTTCATCAGTGGCCAGCACAATGATGAGTGTCCAGTGGGCCCATTCGCTTGGACACACA	283
QY	1000	TCCTCTGTGTGCTCTGACTTTCACCTTCCATCTCTCTTCTTCCACAACCTGTGCTTCATTTTAG	1055
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Db	222	GTTCTCGCGGCTCTGAACTCTGAATTTCCAAATTTCCAAATTCACAATAATGACCAATTCCTCCCTTAATCCCATCTCC	163
QY	1120	ATGCTTTTGTGCTCTCTCTGTTTCCCTTAGGCTGGAAATGGCTTCACCTTGTCTTTTACTGAACTTGC	1175
Db	162	ATGCTTTTGTGCTCTCTCTGTTTCCCTTAGGCTGGAAATGGCTTCACCTTGTCTTTTACTGAACTTGC	103
QY	1180	AAAATCTTCAATCCAGCTTTCAAAATTTCAATACACTGTGAAATCCTTCTCCGACTTCACCA	1238
Db	102	AAAATCTTCAATCCAGCTTTCAAAATTTCAATCACTGTGAAATCCTTCTCCGACTTCACCA	43
QY	1240	GAGACTCAGATAGACCTTCTTCTGTGCGCCCCCGGACATCTGT	1281
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RESULT 5
US-10-060-036-4049/C
; Sequence 4049, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
FILE REFERENCE: 210121 566

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CURRENT APPLICATION NUMBER: US/10/060,033
CURRENT FILING DATE: 2002-01-30
NUMBER OF SEQ ID NOS: 4560
SOFTWARE: FastSeq for Windows Version 4.0.C
SEQ ID NO 4049
LENGTH: 402
TYPE: DNA
ORGANISM: Homo sapiens
US-10-060-036-4049

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Query Match	23.1%	Score 402;	DB 14;	Length 402;
Best Local Similarity	100.0%;	Pred. No. 5.4e-118;		
Matches 402;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	880	ACCTGGATGGGCTCAAGGACAGCTCAGCTGCACTAGTACGACAGGTGGCTGCTTCAAG	939	

Db 402 ACCGTGATGGGGCTCCAAAGACAGTCTCAGCTGACTGAGTGAAGAGTGGCTGGCTCAAG 343
QY 940 TCTTCATCAGTGGGCCAGACAAATGATGAGTGTCCAGTGGGCCCATTTGCTTGACAGACAA 999
Db 342 TCTTCATCAGTGGGCCAGACAAATGATGAGTGTCCAGTGGGCCCATTTGCTTGACAGACAA 283
QY 1000 TCCCTCTGTGCTGACACTTTCACATTCCTCTTCCCAACCCCTGCTCTCATTTTAA 1059
Db 282 TCCCTCTGTGCTGACACTTTCACATTCCTCTTCCCAACCCCTGCTCTCATTTTAA 223
QY 1060 GTTCTGTGGGCTCTGAACTCTGAAATTCACAAATGACACATTCCTCTATCCATCTCC 1119
Db 222 GTTCTGTGGGCTCTGAACTCTGAAATTCACAAATGACACATTCCTCTATCCATCTCC 163
QY 1120 ATGCTTTGCTCTCTCTCTTCTCCCTAGCTGGAGTGGTTCATCTGCTTAACTGACTTGC 1179
Db 162 ATGCTTTGCTCTCTCTCTCTTCCCTAGCTGGAGTGGTTCATCTGCTTAACTGACTTGC 103
QY 1180 AAAACTCTACCCAGTTTCAAAATTTCACTACACATGAAATCTTCCCTGACTCACCAA 1239
Db 102 AAAACTCTACCCAGTTTCAAAATTTCACTACACATGAAATCTTCCCTGACTCACCAA 43
QY 1240 GAGACTCAGATAGACCTTCTCTGCTGCCGCCCTGCATCTGT 1281
Db 42 GAGACTCAGATAGACCTTCTCTGCTGCCGCCCTGCATCTGT 1

```

RESULT 6
US-10-087-192-148
Sequence 148: Application US/10087192
Publication No. US20020182586a1
GENERAL INFORMATION:
APPLICANT: Morris, David W.
APPLICANT: Engelhard, Eric K.
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: CANCER
FILE REFERENCE: 529452000122
CURRENT APPLICATION NUMBER: US/10/087,192
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 09/747,377
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 2059
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 148
LENGTH: 174448
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(174448)
OTHER INFORMATION: n = A,T,C or G
US-10-087-192-148

```

	Query Match	11.2%	Score 194.2	DB 13	Length 174448	
	Best Local Similarity	76.1%	Pred. No. 1.1e-49			
	Matches 252	Conservative	0	Mismatches 78	Indels 1	Gaps 1
Qy	1407	CCTGACATTGGAGAGGTGGTGAAGTGGCTCATGCTCTGTAATCCCAAGTTGGG	1466			
Db	135337	CTTAAACCTTAATAATTCCTGGGTACAGTGGCTCACCTGTATATCAAGCACTTTGGG	135396			
Qy	1467	AGGCTGAGGCGCGGCGATGCGCTTGGAGTCAGAGTTTGAACCAAGCTGCGCCATATGGC	1526			
Db	135337	AGCGGAGGCAAGCGATCACTTGGAGCCAGAGTTTGAAACAGAGCTTGGCCAAACAGT	135456			
Qy	1527	AAAGCCCATCTTTATTAATAATACAGAAATTAGCCAGTGTGGCTCATGCTGTAAAT	1586			
Db	135457	GAAACCCCATCTCTACAAATAATCAAAATAATTAGCCAGGCGTGGTGGGTGCTCTGTAAT	135516			
Qy	1587	CCCA-TGCGTGAATCCAGCCTTGGAGGCTGAGCAAGAGATCATCTTGAATCCAGGA	1645			

Db	135517	CCGAGCTACTCAGAGGCGCAAGTGGGAAAGCTGAGGCGAGAGAAATCATCTTTGAAGCCAGGA	135576
Qy	1646	GGCAGAGTTTGCAGTGAACCTGAGATTGGACCACTGCACTCCAGCTGGGCAACACTGAGC	1705
Db	135577	GGTGAGAGTTTGACAGTGAACAGAGATTGGACCACTTCGCGCTCCAGCGGTGACAGAGTGA	135636
Qy	1706	AAAACCTGCTGTCGTGAAAAA	1736
Db	135637	GACTCTGTCTCAAAAACGACACACACAAAA	135667

```

RESULT 7
US-10-719-993-6774
; Sequence 6774, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6774
; LENGTH: 169567
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(169567)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tab
US-10-719-993-6774

```

```

Query Match 11.1%; Score 193.2; DB 18; Length 169567;
Best Local Similarity 77.6%; Pred. No. 2,2e-49;
Matches 250; Conservative 1; Mismatches 59; Indels 12; Gaps 1;

QY 1418 AGAAGCTGTTGGTAAAGTCGTACGCTGTAAATCCACAGATTGGGAGGCTGAGGCC 1477
DB 137269 AGAACTTCCCGGGCAGCGGTGCTCAGCGCTGTAATCTTAGCAATTTGGGAGGCTGAGGCA 1373288
QY 1478 GGCAGATCGCTTGGAGTCAAGAGTTTGAAACCAAGCTGTGGCCAAATATGCGAAAAACCCCAATC 1537
DB 137329 GCGCGATACCTGAGGTGGGAGTTTGAGACCAGGCTGGCCAAATATGCGAAACCCCAATC 1373888
QY 1538 TTTATTAATAATACAGAAATTAGCCAGAGTGGTGCCTCATGCTGTAAATCCCATGCGCTGT 1597
DB 137389 TCTATTAATAATACAAATTTAGCCAGAGTGGTGCAGTGCCTTAATATCCAGCATAT-- 1374466
QY 1598 AATCCAGCCTTGGGAGGCTGAGGAGAGAAATCACTTGAATCCAGAGGCAAGAGTTGC 1657
DB 137447 -----TCGGGAGGCTGAGGAGAGAGAAATCACTTGAATCCAGAGGCAAGAGTTAC 1374966
QY 1658 AGTAACATGAAATTGGAGCCATCGCATCTCAGCTGGGGAACAATAGAGCAAAATCGCTGT 1717
DB 137497 AGTAGCCAGAGATTGTGCACATGCATCTCAGCTGGGCAACAGATGAGACTTGTGCTCA 1375566
QY 1718 CGTGAAAAAAAAAAAAAAAAAAAAA 1739
DB 137557 AAAAAAAAAAAAAAAAAAAAAAAAAA 137578

RESULT 8
US-10-027-632-250936/c
; Sequence 250936, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129

```

```

; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250936
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250936
```

```

Query Match      11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
```

```

QY 1416 TGAGAGGTTGGTGTGAAGTCTCATGCTGTATCCCAACAGTTTGGAGGCTGAGG 1475
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1934 TGTTAAGAGCTGGGCAAGTGGCTTACGCTGTATCCCAACAGTTTGGAGGCTGAGG 1875
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1476 CCGGAGATCGCTTGAAGTCAAGAGTTTGAACAGGCTGGCAATATGCAAAACCCCA 1535
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1874 CAGGAGATCCCTTGGCGGTGAGAGTTTGAACAGAGCTGCCAATATGTAACCCCA 1815
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1536 TCTTTA-TAAATAACGAATATGACAGGTGTGTGCTCATGCTGTATCCCATGCC 1594
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1814 TCTCTAATAAATAACGAATATGACAGGTGTGTGCTCATGCTGTATCCCATGCC 1762
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGAGAGGT 1654
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1761 -----TTAGTACTCAGAGAGCTGATGCGAGAGATGGCTTGAACCGAGAGGAGAGGT 1707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1655 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1706 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1647
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```

RESULT 9
US-10-027-632-250937/c
; Sequence 250937, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
```

```

; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250937
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250937
```

```

Query Match      11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
```

```

QY 1416 TGAGAGGTTGGTGTGAAGTCTCATGCTGTATCCCAACAGTTTGGAGGCTGAGG 1475
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1934 TGTTAAGAGCTGGGCAAGTGGCTTACGCTGTATCCCAACAGTTTGGAGGCTGAGG 1875
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1476 CCGGAGATCGCTTGAAGTCAAGAGTTTGAACAGGCTGGCAATATGCAAAACCCCA 1535
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1874 CAGGAGATCCCTTGGCGGTGAGAGTTTGAACAGAGCTGCCAATATGTAACCCCA 1815
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1536 TCTTTA-TAAATAACGAATATGACAGGTGTGTGCTCATGCTGTATCCCATGCC 1594
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1814 TCTCTAATAAATAACGAATATGACAGGTGTGTGCTCATGCTGTATCCCATGCC 1762
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGAGAGGT 1654
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1761 -----TTAGTACTCAGAGAGCTGATGCGAGAGATGGCTTGAACCGAGAGGAGAGGT 1707
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1655 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1706 TGCAGTGAAGTGAATGATGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1647
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```

RESULT 10
US-10-027-632-250938/c
; Sequence 250938, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250938
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
```


US-10-027-632-250938

Query Match 11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

1416 TGAGAAAGGTGGTGTGTAAGGCTCATGCTGTAAATCCCAACAGTTGGAGGCTGAGG 1475
1934 TGTTAAGAGGCTGGGACAGTGGCTTACGCTGTAAATCCAGACCTTTGGAGGCTGAGG 1875
1476 CCGGCAAGATCGCTTGAGGTGAGGAGTTTGAACCAAGCTGGCCAAATATGCAAAACCCA 1535
1874 CAGGCAAGATCCCTTGGGCTGAGGAGTTTGAGACCAATCGGCCAAATATGTAACCCCA 1815
1536 TCTTTA-TAAAAATACAAATTTAGCCAGGTGTGGTCTCATGCTGTAAATCCCATGCC 1594
1814 TCTTACTTAAATAATCAAAATTTAGCCAGGCTGGGCGCAATGCTGTAGTC----- 1762
1595 TGTAAATCCAGGCTGGGAGGCTGAGGAGGAGAAATCACTTGAAATCAGGAGGAGAGT 1654
1761 -----TTAGCTACTCAGGAAGCTGATGACAGAAATGGCTTGAAACCAAGAGGAGAGT 1707
1655 TGCAGTGAATGAGATTGAGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
1706 TGCAGTGAAGCTGAGATTGTAACCACTGCAAGCTGGGCAACAGGAGAGCTTTGTC 1647
1715 TGTCTGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1739
1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

RESULT 11

US-10-027-632-250939/c
; Sequence 250939, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250939
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250939

Query Match 11.1%; Score 192.6; DB 13; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

1416 TGAGAAAGGTGGTGTGTAAGGCTCATGCTGTAAATCCCAACAGTTGGAGGCTGAGG 1475
1934 TGTTAAGAGGCTGGGACAGTGGCTTACGCTGTAAATCCAGACCTTTGGAGGCTGAGG 1875
1476 CCGGCAAGATCGCTTGAGGTGAGGAGTTTGAACCAAGCTGGCCAAATATGCAAAACCCA 1535

1874 CAGGCAAGATCCCTTGGGCTGAGGAGTTTGAACCAAGCTGGCCAAATATGTAACCCCA 1815
1536 TCTTTA-TAAAAATACAAATTTAGCCAGGTGTGGTCTCATGCTGTAAATCCCATGCC 1594
1814 TCTTACTTAAATAATCAAAATTTAGCCAGGCTGGGCGCAATGCTGTAGTC----- 1762
1595 TGTAAATCCAGGCTGGGAGGCTGAGGAGGAGAAATCACTTGAAATCAGGAGGAGAGT 1654
1761 -----TTAGCTACTCAGGAAGCTGATGACAGAAATGGCTTGAAACCAAGAGGAGAGT 1707
1655 TGCAGTGAATGAGATTGAGACCACTGCACTCCAGGCTGGGCAACCTGAGCAAACTGCC 1714
1706 TGCAGTGAAGCTGAGATTGTAACCACTGCAAGCTGGGCAACAGGAGAGCTTTGTC 1647
1715 TGTCTGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1739
1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

RESULT 12

US-10-027-632-250936/c
; Sequence 250936, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250936
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250936

Query Match 11.1%; Score 192.6; DB 17; Length 2655;
Best Local Similarity 79.4%; Pred. No. 3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

1416 TGAGAAAGGTGGTGTGTAAGGCTCATGCTGTAAATCCCAACAGTTGGAGGCTGAGG 1475
1934 TGTTAAGAGGCTGGGACAGTGGCTTACGCTGTAAATCCAGACCTTTGGAGGCTGAGG 1875
1476 CCGGCAAGATCGCTTGAGGTGAGGAGTTTGAACCAAGCTGGCCAAATATGCAAAACCCA 1535
1874 CAGGCAAGATCCCTTGGGCTGAGGAGTTTGAACCAAGCTGGCCAAATATGTAACCCCA 1815
1536 TCTTTA-TAAAAATACAAATTTAGCCAGGTGTGGTCTCATGCTGTAAATCCCATGCC 1594
1814 TCTTACTTAAATAATCAAAATTTAGCCAGGCTGGGCGCAATGCTGTAGTC----- 1762
1595 TGTAAATCCAGGCTGGGAGGCTGAGGAGGAGAAATCACTTGAAATCAGGAGGAGAGT 1654
1761 -----TTAGCTACTCAGGAAGCTGATGACAGAAATGGCTTGAAACCAAGAGGAGAGT 1707

QY 1655 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1714
 |||||
 Db 1706 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1647
 |||||
 QY 1715 TGTGCTGAAAAA 1739
 |||||
 Db 1646 CCAAAAAAAAAAAAAAAAAA 1622

RESULT 13

US-10-027-632-250937/c
 ; Sequence 250937, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 250937
 ; LENGTH: 2655
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-10-027-632-250937

Query Match 11.1%; Score 192.6; DB 17; Length 2655;
 Best Local Similarity 79.4%; Pred. No. 3.2e-50;
 Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAGGTGCTGTAAAGTGCCTCATGCTTAATCCCAAGTTGGAGGCTGAG 1475
 |||||
 Db 1934 TGTAAAGAGCTGGGCAAGTGTCTTAACCTGTATCCAGCACTTTGGAGGCTGAG 1875
 |||||
 QY 1476 CCGGCAATCGCTTGAAGTCAAGAGTTTAAACCAAGCTGGCCCAATATGCAAAACCCCA 1535
 |||||
 Db 1874 CAGGCAAGATCCCTTGGGCTGAGAGTTTGAACCAAGCTGGCCCAATATGTAACCCCA 1815
 |||||
 QY 1536 TCTTTA-TAAATAACAGAAATTAAGCAGAGTGTGGGCTCATGCTGTATCCATGCC 1594
 |||||
 Db 1814 TCTTACTTAAATAACAAATTAAGCAGAGTGTGGGCTCATGCTGTATCCATGCC 1594
 |||||
 QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGCAAGAAATCACTTAATCCAGAGGCAAGGT 1654
 |||||
 Db 1761 TGTAAATCCAGCTTGGAGGCTGAGGCAAGAAATCACTTAATCCAGAGGCAAGGT 1707
 |||||
 QY 1655 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1714
 |||||
 Db 1706 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1647
 |||||
 QY 1715 TGTGCTGAAAAA 1739
 |||||
 Db 1646 CCAAAAAAAAAAAAAAAAAA 1622

RESULT 14
 US-10-027-632-250938/c

; Sequence 250938, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 250938
 ; LENGTH: 2655
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-10-027-632-250938

Query Match 11.1%; Score 192.6; DB 17; Length 2655;
 Best Local Similarity 79.4%; Pred. No. 3.2e-50;
 Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAGGTGCTGTAAAGTGCCTCATGCTTAATCCCAAGTTGGAGGCTGAG 1475
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 Db 1934 TGTAAAGAGCTGGGCAAGTGTCTTAACCTGTATCCAGCACTTTGGAGGCTGAG 1875
 |||||
 QY 1476 CCGGCAATCGCTTGAAGTCAAGAGTTTAAACCAAGCTGGCCCAATATGCAAAACCCCA 1535
 |||||
 Db 1874 CAGGCAAGATCCCTTGGGCTGAGAGTTTGAACCAAGCTGGCCCAATATGTAACCCCA 1815
 |||||
 QY 1536 TCTTTA-TAAATAACAGAAATTAAGCAGAGTGTGGGCTCATGCTGTATCCATGCC 1594
 |||||
 Db 1814 TCTTACTTAAATAACAAATTAAGCAGAGTGTGGGCTCATGCTGTATCCATGCC 1594
 |||||
 QY 1595 TGTAAATCCAGCTTGGAGGCTGAGGCAAGAAATCACTTAATCCAGAGGCAAGGT 1654
 |||||
 Db 1761 TGTAAATCCAGCTTGGAGGCTGAGGCAAGAAATCACTTAATCCAGAGGCAAGGT 1707
 |||||
 QY 1655 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1714
 |||||
 Db 1706 TGCAGTGAAGTGAATGAGACCACTGCACTCCAGCTGGGCAACCTGAGCAAACTGCC 1647
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 QY 1715 TGTGCTGAAAAA 1739
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 Db 1646 CCAAAAAAAAAAAAAAAAAA 1622

RESULT 15
 US-10-027-632-250939/c

; Sequence 250939, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 250939
LENGTH: 2655
TYPE: DNA
ORGANISM: Human
US-10-027-632-250939

Query Match 11.1%; Score 192.6; DB 17; Length 2655;

Best Local Similarity 79.4%; Pred.No.3.2e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAAAGTGTGTGTAAGTGGCTCATGCTGTATCCCAACAGTTGGAGGCTGAGG 1475
DB 1934 TGTTAAGAGGCTGGGCACTGGCTTAACCTGTATCCAGCACTTGGAGGCTGAGG 1875
QY 1476 CCGGAGATCGCTTGAGGTCAAGAGTTTGAACCAAGCTGGCCATATGSCAAACCCCA 1535
DB 1874 CAGGAGATCCCTTGGCGTCAAGAGTTTGACCAAGCTGGCCATATGTAACCCCA 1815
QY 1536 TCTTTR-TAAATATAGAAATTAGCCAGGTGTGGCTCATGCTGTATCCCATGCC 1594
DB 1814 TCTTACTTAAATATACAAATATTAGCCAGGTGTGGCTCATGCTGTATGCC----- 1762
QY 1595 TGTAAATCCAGCCTTGAGAGGCTGAGGCAAGAAATCACTGAATCCAGAGGCAAGGT 1654
DB 1761 -----TTAGTACTCAGAAAGCTGATGCAAGAAATGCTTGAATCCAGAGGCAAGGT 1707
QY 1655 TGCAGTGAATGAGATTGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCC 1714
DB 1706 TGCAGTGAAGCTGAGATTGTACCACTGCAAGCCAGCTGGGCAACACAGGAGACTTTGTC 1647
QY 1715 TGTCTGAAAAAAAAAAAAAAAAAAAA 1739
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

Search completed: February 7, 2005, 03:35:22
Job time : 966.108 secs

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QY 301 GAGATGGGAGGACACTGAGGCTGCTGACGCGGCCCTTGACCTGACGCGCTTGGGG 360
DB 301 GAGATGGGAGGACACTGAGGCTGCTGACGCGGCCCTTGACCTGACGCGCTTGGGG 360
QY 361 CTGCTGATTTGACAGCTGGGGGAAATATCAGTGTGTGACATTTCAACCTTGGGGTCCCTG 420
DB 361 CTGCTGATTTGACAGCTGGGGGAAATATCAGTGTGTGACATTTCAACCTTGGGGTCCCTG 420
QY 421 GCAACCAATGCTGATCGAGAGGCTCAACTGCTGATGCTCTCCGCTACCTGGGCTTCACAG 480
DB 421 GCAACCAATGCTGATCGAGAGGCTCAACTGCTGATGCTCTCCGCTACCTGGGCTTCACAG 480
QY 481 CTGCTCGGGGGGATGCTCGGGGCTGCTTGGCCAGAGGCGGAGTCCAGAGAGAGGCTTC 540
DB 481 CTGCTCGGGGGGATGCTCGGGGCTGCTTGGCCAGAGGCGGAGTCCAGAGAGAGGCTTC 540
QY 541 TGGAAATGATCTGGGGGCGGCTTTGTGACAGTCCAGAGGCGAGGCGGAGGCTTCAGAG 600
DB 541 TGGAAATGATCTGGGGGCGGCTTTGTGACAGTCCAGAGGCGAGGCGGAGGCTTCAGAG 600
QY 601 TTGCTGAGAGATCATCTGACAGAGCTGCTGAGGCTGCTGATGATGATGATGATGATGATG 660
DB 601 TTGCTGAGAGATCATCTGACAGAGCTGCTGAGGCTGCTGATGATGATGATGATGATGATG 660
QY 661 AATGAGAGAGCAAAAGGCGCTTGGCCCGCTTCTGCACTGGCTTGGCTTGGCTTGGCTTGG 720
DB 661 AATGAGAGAGCAAAAGGCGCTTGGCCCGCTTCTGCACTGGCTTGGCTTGGCTTGGCTTGG 720
QY 721 ATCTGCTGAGGCGGCGCTTGTGTCTGAGAGGCTGCAATGATCCCGCGCTTGGCTTGGAGCT 780
DB 721 ATCTGCTGAGGCGGCGCTTGTGTCTGAGAGGCTGCAATGATCCCGCGCTTGGCTTGGAGCT 780
QY 781 GCGGTGATGAGCAACCACTGAGAACTTTCACATGATCTACTGAGGCGGCGGCTTGGAGCT 840
DB 781 GCGGTGATGAGCAACCACTGAGAACTTTCACATGATCTACTGAGGCGGCGGCTTGGAGCT 840
QY 841 GCGGTGATGAGCAACCACTGAGAACTTTCACATGATCTACTGAGGCGGCGGCTTGGAGCT 900
DB 841 GCGGTGATGAGCAACCACTGAGAACTTTCACATGATCTACTGAGGCGGCGGCTTGGAGCT 900
QY 901 CTGAAAGCTCGGTGAGAGAGAGCTCGTGGGATTCCTGCTGCTCAGAGTGTCTCAGCTCA 960
DB 901 CTGAAAGCTCGGTGAGAGAGAGCTCGTGGGATTCCTGCTGCTCAGAGTGTCTCAGCTCA 960
QY 961 CTTGTCTCCAGACTGAGAGAGAGGCTTCTGCAATTTCTGCGCAGGCGGAGGCGGCGGAG 1020
DB 961 CTTGTCTCCAGACTGAGAGAGAGGCTTCTGCAATTTCTGCGCAGGCGGAGGCGGCGGAG 1020
QY 1021 GAGGCAACCCCTGCTTCCAGCTGCTTGGGCTGCTTCTGAGATGAGCTGCTGAGAG 1080
DB 1021 GAGGCAACCCCTGCTTCCAGCTGCTTGGGCTGCTTCTGAGATGAGCTGCTGAGAG 1080
QY 1081 GAGCTTGAAGTTCTTGAATTCCTTGTGTGCTCATCAGAGAGAGGCTTGGGAGAGAGCT 1140
DB 1081 GAGCTTGAAGTTCTTGAATTCCTTGTGTGCTCATCAGAGAGAGGCTTGGGAGAGAGCT 1140
QY 1141 GCGCGCACTGCGCCAGAGAGAGCTGCAACCAACAGAGAGAGGCTTCTTGAAGAGAA 1200
DB 1141 GCGCGCACTGCGCCAGAGAGAGCTGCAACCAACAGAGAGAGGCTTCTTGAAGAGAA 1200
QY 1201 TGTCCCGAGTTGACAGAGAGGCTTCTTGTGCAATTCAGCTCATTTTCCGAGCCCACTT 1260
DB 1201 TGTCCCGAGTTGACAGAGAGGCTTCTTGTGCAATTCAGCTCATTTTCCGAGCCCACTT 1260
QY 1261 TCTTGTCTGATTTGCTTGTGTGGGGCTTGGCCACTTCTTGTCTTCAAGCTGACATTC 1320
DB 1261 TCTTGTCTGATTTGCTTGTGTGGGGCTTGGCCACTTCTTGTCTTCAAGCTGACATTC 1320
QY 1321 TCACCTTTCATTAATAGTCCAGTGTCTTCC 1354
DB 1321 TCACCTTTCATTAATAGTCCAGTGTCTTCC 1354

RESULT 2
US-09-610-906-5
; Sequence 5, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Waliker, Michael G.
; APPLICANT: Volkmutz, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT FILING DATE: US/09/610,906
; PRIORITY FILING DATE: 09/226,994
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 1804734CB1
; PUBLICATION INFORMATION:
US-09-610-906-5

Query Match 89.6%; Score 1213.6; DB 4; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTACGCGAGATAGCATGTGTGACCTGAAATTTGGCAATGACAGGCCA 181
DB 85 TCCCTATGCTGAGAGAGATAGCATGTGTGACCTGAAATTTGGCAATGACAGGCCA 144
QY 182 GGAAGCCGAGCTGAGGCTGAGGAGTGGAGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 241
DB 145 GGAAGCCGAGCTGAGGCTGAGGAGTGGAGAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 204
QY 242 GTCTGTGAACTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 301
DB 205 GTCTGTGAACTGCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 264
QY 302 AGAATGGAGAGCACTGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAG 361
DB 265 AGAATGGAGAGCACTGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAG 324
QY 362 TCGTATTTGCAAGCTGAGGAGATATCAGTGTGAGCACTTCAACCTGAGGCTGCTGAGAG 421
DB 325 TCGTATTTGCAAGCTGAGGAGATATCAGTGTGAGCACTTCAACCTGAGGCTGCTGAGAG 384
QY 422 CAGCGATGCTGATGAGAGGCTGCAACCTGATGATGCTTCCGCTGCTGAGGCTGCTGAGAG 481
DB 385 CAGCGATGCTGATGAGAGGCTGCAACCTGATGATGCTTCCGCTGCTGAGGCTGCTGAGAG 444
QY 482 TGTCTGGGGGAGATCTGAGGCTGCTTGGCCAGAGGCTGAGAGTCTGAGAGAGGCTTCT 541
DB 445 TGTCTGGGGGAGATCTGAGGCTGCTTGGCCAGAGGCTGAGAGTCTGAGAGAGGCTTCT 504
QY 542 GGAATGATCTGAGGAGGCTTGTGTGACAGTCCAGAGAGAGGCTGAGAGGCTGAGAGGCT 601
DB 505 GGAATGATCTGAGGAGGCTTGTGTGACAGTCCAGAGAGAGGCTGAGAGGCTGAGAGGCT 564
QY 602 TGTGTGAGAGATGATCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCT 661
DB 565 TGTGTGAGAGATGATCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCTGAGAGGCTGCT 624
QY 662 ATGAGAGAGCAAAAGGCGCTTGGCCCGCTTCTGCACTGAGGCTTGGCTGAGAGGCTG 721
DB 625 ATGAGAGAGCAAAAGGCGCTTGGCCCGCTTCTGCACTGAGGCTTGGCTGAGAGGCTG 684
QY 722 TCTGTGCTGAGGAGGCTTGTGTGAGAGGCTGAGAGGCTGAGAGGCTGAGAGGCTGAGAGGCT 781
DB 685 TCTGTGCTGAGGAGGCTTGTGTGAGAGGCTGAGAGGCTGAGAGGCTGAGAGGCTGAGAGGCT 744

QY 782 CGGTGGTGGCAACCACTGGAATTCTCACTGATCTTACTGGGCGCACTCTGGCTG 841
DB 745 CGGTGGTGGCAACCACTGGAATTCTCACTGATCTTACTGGGCGCACTCTGGCTG 804
QY 842 GCTGCTTTTGGAGAGCTCATTTAGGTGCTTATTTGAGATGGAGAGACCCGCTCATCC 901
DB 805 GCTGCTTTTGGAGAGCTCATTTAGGTGCTTATTTGAGATGGAGAGACCCGCTCATCC 864
QY 902 TGAAGGCTCGGTGAGCAGAGCTCGTGGATTCCTGCTGCTCAGGTGCTTCACTCAG 961
DB 865 TGAAGGCTCGGTGAGCAGAGCTCGTGGATTCCTGCTGCTCAGGTGCTTCACTCAG 924
QY 962 CTGTCCCAAGCTGAGGAGCAGGGAGTTCCTGCAATTTCCGCGAGGAGAGGCGCAGAG 1021
DB 925 CTGTCCCAAGCTGAGGAGCAGGGAGTTCCTGCAATTTCCGCGAGGAGAGGCGCAGAG 984
QY 1022 AGCGACCCCTGCTTCACTGCTTGGGCTGCTTTCTCAGATGAGTGACTGCTGAGAG 1081
DB 985 AGCGACCCCTGCTTCACTGCTTGGGCTGCTTTCTCAGATGAGTGACTGCTGAGAG 1044
QY 1082 GCTTAGGTTCTTGAATTCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTG 1141
DB 1045 GCTTAGGTTCTTGAATTCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTG 1104
QY 1142 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACACAGAGCTTTTCTTGAAGAGAT 1201
DB 1105 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACACAGAGCTTTTCTTGAAGAGAT 1164
QY 1202 GTCCCGAGTTGAGCAGAGAGGCTGTTTGTGCAATCAGTCAATTCGCGACCCCATTT 1261
DB 1165 GTCCCGAGTTGAGCAGAGAGGCTGTTTGTGCAATCAGTCAATTCGCGACCCCATTT 1224
QY 1262 CTTCCTTGAATTCCTTTGTGAGGAGCTGAGCACTTCTTCTGAGCTGACATTTCT 1321
DB 1225 CTTCCTTGAATTCCTTTGTGAGGAGCTGAGCACTTCTTCTGAGCTGACATTTCT 1284
QY 1322 CACTTGGCAATAAATGATCAGTGTTC 1349
DB 1285 CACTTGGCAATAAATGATCAGTGTTC 1312

RESULT 3
US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 346
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

Query Match 89.6%; Score 1213.6; DB 4; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTTACGAGCAGATAGCATGTGAGGCTGATTTGGCATGACAGGCCA 181
DB 85 TCCCTATGTCTGAGAGCAGATAGCATGTGAGGCTGATTTGGCATGACAGGCCA 144

QY 182 GGGAGCCGAGCGTGGTGGCAGGTGCGAGTCTCTGTATCCAGACGGTTTGTGACCCAT 241
DB 145 GGGAGCCGAGCGTGGTGGCAGGTGCGAGTCTCTGTATCCAGACGGTTTGTGACCCAT 204
QY 242 GTCTGGTGAACCTGCTGGGCTGCTGCTCTTCACTTCAATCGGGTGCCTGTGGTCAATTG 301
DB 205 GTCTGGTGAACCTGCTGGGCTGCTGCTCTTCACTTCAATCGGGTGCCTGTGGTCAATTG 264
QY 302 AGAATGGAGCGAGCACTGGGCTGCTGACCGGCGCTGGCCAGCGGGCTGCTTGGGGC 361
DB 265 AGAATGGAGCGAGCACTGGGCTGCTGACCGGCGCTGGCCAGCGGGCTGCTTGGGGC 324
QY 362 TGTGTATTCGACAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTGTCCCTGG 421
DB 325 TGTGTATTCGACAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTGTCCCTGG 384
QY 422 CAGCCATGCTGATCGGAGGCTCAACCTGATGCTCTCCGATCTGGGCTTCAAGC 481
DB 385 CAGCCATGCTGATCGGAGGCTCAACCTGATGCTCTCCGATCTGGGCTTCAAGC 444
QY 482 TGTCTGGGGGAGTGTCTGGGGCTGCTTGGCCAGAGCGGTGATCTTGAAGAGAGTTCT 541
DB 445 TGTCTGGGGGAGTGTCTGGGGCTGCTTGGCCAGAGCGGTGATCTTGAAGAGAGTTCT 504
QY 542 GGAATGATCTGGGGGAGCTTTTGTGACATGTCAGAGAGAGGAGGAGGAGGCT 601
DB 505 GGAATGATCTGGGGGAGCTTTTGTGACATGTCAGAGAGAGGAGGAGGAGGAGGCT 564
QY 602 TGTGGCAGAGATCAATCCGACAGAGGCTGAGGCTGATGAGGAGGAGGAGGAGGAG 661
DB 565 TGTGGCAGAGATCAATCCGACAGAGGCTGAGGCTGATGAGGAGGAGGAGGAGGAGG 624
QY 662 ATGAGAGACAAAGGAGGCTCTGAGGCGGCTTCTCACTGAGCTTGGCCCTCACTGGAGAT 721
DB 625 ATGAGAGACAAAGGAGGCTCTGAGGCGGCTTCTCACTGAGCTTGGCCCTCACTGGAGAT 684
QY 722 TCTGGCTGGGGGAGCTTGTGTGTGAGAGCTGATGATTCGCGGCTGCTTGGAGCTG 781
DB 685 TCTGGCTGGGGGAGCTTGTGTGTGAGAGCTGATGATTCGCGGCTGCTTGGAGCTG 744
QY 782 CGGTGGTGGCAACCACTGGAATTCTCACTGATCTTACTGGGCGCACTCTGGCTG 841
DB 745 CGGTGGTGGCAACCACTGGAATTCTCACTGATCTTACTGGGCGCACTCTGGCTG 804
QY 842 GCTGCTTTTGGAGAGCTCATTTAGGTGCTTATTTGAGATGGAGAGACCCGCTCATCC 901
DB 805 GCTGCTTTTGGAGAGCTCATTTAGGTGCTTATTTGAGATGGAGAGACCCGCTCATCC 864
QY 902 TGAAGGCTCGGTGAGCAGAGCTCGTGGATTCCTGCTGCTCAGGTGCTTCACTCAG 961
DB 865 TGAAGGCTCGGTGAGCAGAGCTCGTGGATTCCTGCTGCTCAGGTGCTTCACTCAG 924
QY 962 CTGTCCCAAGCTGAGGAGCAGGGAGTTCCTGCAATTTCCGCGAGGAGAGGCGCAGAG 1021
DB 925 CTGTCCCAAGCTGAGGAGCAGGGAGTTCCTGCAATTTCCGCGAGGAGAGGCGCAGAG 984
QY 1022 AGCGACCCCTGCTTCACTGCTTGGGCTGCTTTCTCAGATGAGTGACTGCTGAGAG 1081
DB 985 AGCGACCCCTGCTTCACTGCTTGGGCTGCTTTCTCAGATGAGTGACTGCTGAGAG 1044
QY 1082 GCTTAGGTTCTTGAATTCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTG 1141
DB 1045 GCTTAGGTTCTTGAATTCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTG 1104
QY 1142 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACACAGAGCTTTTCTTGAAGAGAT 1201
DB 1105 CCGGCACTGCGCCAGAGAGAGTGCACAAACACACACACAGAGCTTTTCTTGAAGAGAT 1164
QY 1202 GTCCCGAGTTGAGCAGAGAGGCTGTTTGTGCAATCAGTCAATTCGCGACCCCATTT 1261
DB 1165 GTCCCGAGTTGAGCAGAGAGGCTGTTTGTGCAATCAGTCAATTCGCGACCCCATTT 1224

QY 1262 CTGCTGATGTTGTTGGGGGCGCCCACTTCCTTGTCTTCAAGCTGACATTTCT 1321
DB 1225 CTGCTGATGTTGTTGGGGGCGCCCACTTCCTTGTCTTCAAGCTGACATTTCT 1284
QY 1322 CACTTTCGATTAATAGTCCAGTGTTC 1349
DB 1285 CACTTTCGATTAATAGTCCAGTGTTC 1312

RESULT 4

US-09-610-906-6/c
Sequence 6, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klingner, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 6
LENGTH: 562
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: 525, 550
NAME/KEY: unsure
OTHER INFORMATION: Incyte ID No. 6566066 227165F1
OTHER INFORMATION: a, t, c, g, or other
PUBLICATION INFORMATION:
US-09-610-906-6

Query Match 35.0%; Score 473.8; DB 4; Length 562;
Best Local Similarity 95.4%; Pred. No. 9.7e-118;
Matches 521; Conservative 0; Mismatches 18; Indels 7; Gaps 3;
QY 816 CTACAGGCTGGGCGCA--CTCCTGCTGGCTGCTGTTGG--ACTGCTATTAGTGC 870
DB 546 CTACAGGCTGGGCGCACTCCTGCTGGCTGTTGGAACTGCTATTAGTGC 487
QY 871 TTCAATTGA--GATGGAGAACCCGCTCATCTGAAAGCTGGTGAAGAGAGCTCGG 928
DB 486 TTCAATTGAAGATGGAGAAAGACCCGCTCATCTGAAAGCTGGTGAAGAGAGCTCGG 427
QY 929 GGATTCCTGCTGCTGCAAGTGTCTGACTCACTGTGCTGCAAGCTGAGAGAGAGAGT 988
DB 426 GGATTCCTGCTGCTGCAAGTGTCTGACTCACTGTGCTGCAAGCTGAGAGAGAGT 367
QY 989 CCGCATTTCTGCGAGAGGCGAGAGGCGAGAGAGAGAGAGAGAGAGAGAGAGAGT 1048
DB 366 CCGCATTTCTGCGAGAGGCGAGAGGCGAGAGAGAGAGAGAGAGAGAGAGAGAGT 307
QY 1049 CCGCTTTTCTGAGATGACTGCTGAGAGAGCTGAGTGTCTTGGAAATCTTTGG 1108
DB 306 CCGCTTTTCTGAGATGACTGCTGAGAGAGCTGAGTGTCTTGGAAATCTTTGG 247
QY 1109 CTCATCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 1168
DB 246 CTCATCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 187
QY 1169 CACCAACAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 1228
DB 186 CACCAACAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 127
QY 1229 TCTGCAATGAGCTGATTTCCGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 1288
DB 126 TCTGCAATGAGCTGATTTCCGCAAGAGAGAGAGAGAGAGAGAGAGAGAGT 67

QY 1289 GGCACTTCCTGCTTCTAGAGTCAATTCGATTTGCAATAATAGTCAAGTGTTC 1348
DB 66 GGCACTTCCTGCTTCTAGAGTCAATTCGATTTGCAATAATAGTCAAGTGTTC 7
QY 1349 CTTTCC 1354
DB 6 CTTTCC 1

RESULT 5

US-09-610-906-4
Sequence 4, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klingner, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 4
LENGTH: 274
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: 209
NAME/KEY: unsure
OTHER INFORMATION: Incyte ID No. 6566066 3834902H1
OTHER INFORMATION: a, t, c, g, or other
PUBLICATION INFORMATION:
US-09-610-906-4

Query Match 19.3%; Score 261; DB 4; Length 274;
Best Local Similarity 99.3%; Pred. No. 1.6e-60;
Matches 272; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 15 CGGATCTTCTCTCCAGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGT 74
DB 1 CGGATCTTCTCTCCAGGCTGGAGAGAGAGAGAGAGAGAGAGAGAGAGT 60
QY 75 GGTGGGGCTTTATATCTGAGACTGCTCCACCCGCTGCTGCTTTTCCCT 134
DB 61 GGTGGGGCTTTATATCTGAGACTGCTCCACCCGCTGCTGCTTTTCCCT 120
QY 135 ACGGCAATAGCAATGTGTAGGCTGATTTGGCAATGACAGAGAGAGAGAGT 194
DB 121 ACGGCAATAGCAATGTGTAGGCTGATTTGGCAATGACAGAGAGAGAGAGT 180
QY 195 GGTGGAGGTGGAGAGTGTCTGTGACAAAGGTTTGGAGCCATGTCTGGAAT 254
DB 181 GGTGGAGGTGGAGAGTGTCTGTGACAAAGGTTTGGAGCCATGTCTGGAAT 240
QY 255 GCT-GGGCTGCTCTTTATCTTCATTCATCGAGT 287
DB 241 GCTGGGCTGCTCTTTATCTTCATTCATCGAGT 274

RESULT 6

US-09-610-906-7
Sequence 7, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klingner, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT

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FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 7
LENGTH: 620
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
PUBLICATION INFORMATION:
US-09-610-906-7
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Query Match      18.6%; Score 251.4; DB 4; Length 620;
Best Local Similarity 77.8%; Pred. No. 8,6e-58;
Matches 329; Conservative 0; Mismatches 91; Indels 3; Gaps 2;
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QY 580 CAGGGGAGGTGGCAGGGGCGTTGGTGGCAAGATATCTTGAAGCGCTGCGCCCTG 639
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DB 57 CAGCAGCAGGTGCGCAGAACCCCTGGGGGTAGAGATGTTATGACATGCTGTGATTG 116
    |||
QY 640 GCTGATGATGGGGGSCATCAATGAGAGACAAAGGCGCTTGGCCCGCTTCTGCATC 699
    |||
DB 117 GCTGATGATGAGGTGCGCTCAATGAGAGACAAATGAGTCCCTCAATTCCTCAAT 176
    |||
QY 700 GGCCTTGGCCGTCACCGTGTATCTGCTGGGGGCGCTGTGTTCTGGAAGCTGATGAT 759
    |||
DB 177 GGTTCCTGTCATGTGATGATATCCGCGAGGTGGATGATCTTGAGACCTGCAAGAAC 236
    |||
QY 760 CCGCCGCTGCTTTTGGACCTGGGTGGTGGCCAACTGGAACCTTCACTGATGATAC 819
    |||
DB 237 CCGTCTGCTGCTTTGGACCTGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCT 296
    |||
QY 820 TGGCTGGGGCCCACTCGCTGGCTGGCCGCTGTTTGGACCTGCTCAATTAAGTGTGAT 879
    |||
DB 297 TGGCTGGGGCCCACTCGCTGGCTGGCCGCTGTTTGGACCTGCTCAATTAAGTGTGAT 356
    |||
QY 880 GATGGAGAACCCGCTCATCTCTGAAGCTCGGTGAAGAGAGAGCTGTGGGATTCCTGCT 939
    |||
DB 357 GATGAGAAACCCGCTCATCTCTGAAGCTCGGTGAAGAGAGAGCTGTGGGATTCCTGCT 416
    |||
QY 940 GCTCAAGTGTCTCACTCACTCACTGCTCCCACTGAGAGACAGGGAGTTCCTGCAATTC 999
    |||
DB 417 G--CCTGGAGTCTCTAGCT-GTTTGTCTGAGTGGAGACAGACAAATTCATTAATTTTC 473
    |||
QY 1000 TGC 1002
    |||
DB 474 TGC 476
    |||
```

RESULT 7

```
US-09-610-906-3
Sequence 3, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Rod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 3
LENGTH: 233
TYPE: DNA
```

```
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
PUBLICATION INFORMATION:
US-09-610-906-3
```

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Query Match      17.2%; Score 233; DB 4; Length 233;
Best Local Similarity 100.0%; Pred. No. 5,1e-53;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 GGTGAGCCCTCTGTGGGATCTTCTCTCCAGGCTGGCAGAGCAAGGGGGCTGTGAT 60
    |||
DB 1 GGTGAGCCCTCTGTGGGATCTTCTCTCCAGGCTGGCAGAGCAAGGGGGCTGTGAT 60
    |||
QY 61 AATTCAGGTTGGGGGTGCGGGGCTTTCTATATCTGATCTGCTCCACCGGTGCTCT 120
    |||
DB 61 AATTCAGGTTGGGGGTGCGGGGCTTTCTATATCTGATCTGCTCCACCGGTGCTCT 120
    |||
QY 121 GTCCCTTTTTCCTACGGGATAGCCATGTGTGAGCTGAAATTTGGCAATGACAAAGCC 180
    |||
DB 121 GTCCCTTTTTCCTACGGGATAGCCATGTGTGAGCTGAAATTTGGCAATGACAAAGCC 180
    |||
QY 181 AGGAGCCGAGCGGTGGGTGGCAGGTGGCAGATGTCTGGTACGAACGGTTTGT 233
    |||
DB 181 AGGAGCCGAGCGGTGGGTGGCAGGTGGCAGATGTCTGGTACGAACGGTTTGT 233
    |||
```

RESULT 8

```
US-09-610-906-8
Sequence 8, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Rod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 8
LENGTH: 279
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 70162441H1
PUBLICATION INFORMATION:
US-09-610-906-8
```

```
Query Match      13.5%; Score 183.2; DB 4; Length 279;
Best Local Similarity 79.0%; Pred. No. 1,5e-39;
Matches 218; Conservative 0; Mismatches 58; Indels 0; Gaps 0;
```

```
QY 529 GAGGAGAGTTCTGGAATGATCTGGGGCGGCTTGTGAACAGTCAGAGAGAGGGGAG 588
    |||
DB 4 GAGGAGAGTTCTGGAATGATCTGGGGCGGCTTGTGAACAGTCAGAGAGAGGGGAG 63
    |||
QY 589 GTGGCAGGGGCGTGTGGTGGCAGAGATCATCTGACGACGCTGTGGCCCTGTGTATGC 648
    |||
DB 64 GTGGCAGAGGCGCTGTGGGTGGTGGATCGTTATGAGATGCTGTGTGTATGGCTGTGT 123
    |||
QY 649 ATGGGTGCATCAATGAAGAAAGCAAGGGCCCTGTGGCCCGCTTCTCATATGGCTTGC 708
    |||
DB 124 ATGGGTGCCTCAATGAAGAAAGCAATGGGTCCCTAGGCCCATTTCTCATTTGTTCTT 183
    |||
QY 709 GTACCGTGTATATCTGCTGGGGCGCTGTGTGTGTGAGAGCTGATGAATCCGCCCGT 768
    |||
DB 184 GTCAATGTGATATCTCTGGCAAGGTGTGGATCTCTGAGAGCTGTGATGAACCTGTCTGT 243
    |||
```

QY 769 GCTTTGACCTGCGGCTGTGGCCACACCTGGAAC 804
DB 244 GCCTTTGACCTGCTGTGATGAGCTGTGCTACTGGGAC 279

RESULT 9
US-09-610-906-10
; Sequence 10. Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walke, Michael G.
; APPLICANT: Volkmer, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 1999-01-07
; SOFTWARE: PERL Program
; SEQ ID NO 10
; LENGTH: 325
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701652485H1
US-09-610-906-10

Query Match
Best Local Similarity 9.9%; Score 134.4; DB 4; Length 325;
Matches 190; Conservative 0; Mismatches 71; Indels 3; Gaps 1;
QY 137 GGCAGTACCATGCTGTGACCTGAAATTGGCAATGACAGCCAGGAGCCGAGCGTGG 196
DB 62 GGGAGAGCGCGGATGTATGATGACCTACGTAGATCAAGGGAGAGAGACCATATG 121
QY 197 GTGCGAGTGGC---GAGTGTCTGGTACGAGCGTTTGGCAGCCATGTGTGTGGAAC 253
DB 122 CTGACAGTATACCATGCAATGCAATGCTGTGTAAGCAGTACATACACCGTGTGTGGAAC 181
QY 254 TCGTGGGCTCTGCTCTCTTCACTTTCATCGGAGTGCCTGTGCGATCATTTGAGAAATGGACGG 313
DB 182 TTTTGGGCTCCCGCTCTCTTCACTTTCATTTGAGTGTCTATCGGTCAATCGAAGACATCCAA 241
QY 314 ACACTGGGCTGTGCGAGCGCGCCCTGGCCCAAGGAGGCTGTGGGCTGTGATTTGCCA 373
DB 242 ATACTGGGCTCTCTGAGCGCTGTGCGCTCATGAGGCTGTGGGCTGTGATTTGCTTA 301
QY 374 CGCTGGGAGATATCATGATGTGAGC 397
DB 302 CTTGGGAGACATCAAGCGGTGAGC 325

RESULT 10
US-09-610-906-9
; Sequence 9. Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walke, Michael G.
; APPLICANT: Volkmer, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 1999-01-07
; SOFTWARE: PERL Program

; SEQ ID NO 9
; LENGTH: 159
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 70136587H1
US-09-610-906-9

Query Match
Best Local Similarity 8.4%; Score 114.2; DB 4; Length 159;
Matches 131; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 495 GCTCGGGGCTGCTGCTGGCCAGGCGGTGAGTCTGAGAGAGTTCTGGAATGATCTGG 554
DB 1 GATCGAGCTGCTCCCTGCTAGAGTGTGATGATCAAGAGAAAGTTCTGGAATGCTGG 60
QY 555 GCGCGCTTTGTGACAGTCCAGAGCAGGCGAGGTGCGACAGGCGCTGTGCGACAGAT 614
DB 61 GCGAGCTTTTGGCCATATGTCAGAGCAGAGAGAGGTGCGACAGCCCTGGGCGTGAAGAT 120
QY 615 CATCTGACAGAGCTGCTGCGCCCTGCTGTATGATGGG 653
DB 121 CTTATGACAGATGCTGTGTATTTGGCTGTATGATGGG 159

RESULT 11
US-09-372-422A-23
; Sequence 23. Application US/09372422A
; Patent No. 6133375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barileu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1193
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (88) ... (838)
US-09-372-422A-23

Query Match
Best Local Similarity 8.1%; Score 109.4; DB 3; Length 1193;
Matches 300; Conservative 0; Mismatches 281; Indels 12; Gaps 1;

QY 269 TCTTCATCTTCATGAGGCTGTGCTGCTCATTTAGAAATGAGACGACACTGGAGCTGCTGC 328
DB 200 TCCGATCGCTCTTGAGGCACTGACGAAATGCGCGCGCTGACCTGTGGGATGTGG 259
QY 329 AGCGGCTCTGGCCACAGGCGCTGCTTGGGCTCGTATTTGCAAGCTGGGGAATATCA 388
DB 260 CGATCGGCTGGCGCAGCGCTGCGCTCTGCTGGGCTGCTCGGCGCGGACACT 319
QY 389 GTGTGACACTTCAACCCCTGCGGTGCTCTGCGACCACTGATGAGAGCTTCAACC 448
DB 320 CCGCGGCACTGAAACCCCGCTGACGCTTGGCGCTGCGCGGCGGCAATCACCG 379
QY 449 TGTGATGCTCTCCGTAATGAGTCTCAAGCTGCTGGGAGAGTCTGGGAGTGTGCT 508
DB 380 TCTTCACGCGCTCTTCTACTGTGAGTGGCCACTGCTGTGGCGCGTCTGTGCTGCTGC 439
QY 509 TGGCCAGGCGGTGATCTCTGAGAGAGGTTTGAATGATCTTGGGCGCGCTTGTGA 568

Db	440	TCCTCAGGTTGCGTGAACCCACG-----GCAAGGCAATCCGAGACCCAGGGGCTC	487
QY	569	CAGTCCAGGAGGAGGGGCGAGTGGCAGGGGCGTTGGTGGCAGAGATCATCTTGACGACG	628
Db	488	CCGSGCGGACCAACCCAGAGCTGAGAGGGGGTGTGTTGAGATCGTCATCACTTGCGCCTCG	547
QY	629	TGCTGGCCCTGAGCTGTATGCATGAGGTGGCCATGCATGAGAGACAAAGGGGCGCTCTGGCC	688
Db	548	TCTACACCGTGTACGCGCACCGCGCGGACCCCAAGAAAGGGCTCCCTCGGACATGGCG	607
QY	669	CGTTCTTCATTCGGGCTTTTGGCCGTACCGTGGATATCTTGGCTGGGGGCGCTGTGTCTGGAG	748
Db	608	CCATGGCCAGCGGCTTCATCGTCGGGCGCAACATCTCGCGGGGGGCGCTTTAGCGGCG	667
QY	749	GCTGCATGATCCCGCCGCTGTGCTTTTGGACTGGCGGTGGGCGCAACCACTGGAACTTCC	808
Db	668	GCTTCATGAACCCCGCGCGCTCCTTTGGGCGCGCGCTCGCGCGGCGCACTTGCGCGGCA	727
QY	809	ACTGGATCTACGCGCTGGGCGCACTCTCTGGCTGGCGCTGTGTGTGGACGCTC	861
Db	728	ACTGGGCTACTAGGGGTGGCGCGCTCATGAGCGGCGGACATCGCTGGCGCTCGTC	780

```

RESULT 12
US-09-372-422A--21
; Sequence 21, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 1158
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (250) ... (997)
US-09-372-422A-21

```

[illegible]

Db	63	AACCAACCCGTCGCGGGACATC-----ACGAGCTGGAAAGGCGTCGCTTC	661
Oy	604	GTGGCAGAGATCATCTTGAAGACGCTGCTGGCCCTGCTGTATGATGAGGTGCCATCAAT	663
Db	682	GAGTGTGTATCATCTTTCGCGCTGTGTACACCGGTATGCGCAACGCGCGCGACCCCAAG	741
Oy	664	GAGAAAGCAAAAGGACCCTCTGGCCCCGTTCTTCATCGACTTGGCGGTACCGTGGATATC	723
Db	742	AAGGGCTCGTCGAGCAACATCGCGCCATCGGCATCGGCTTCATGTGTGGGCGCAATC	801
Oy	724	CTGGCTGGGGGCCCTGTGTCTTGAAGCTGCAATATCCGCGCGTCTTTTGGACTGGC	783
Db	802	CTGCGCGCGGGGCCCTTTCAGCGCGGCTTCATGAACCCGCGCGCTCTTTCGCGCCGCC	861
Oy	784	GTGGTGGCAACCATCGAATTTCACATCTTACTGGCTGGGCCCACTCTGGCTGGC	843
Db	862	GTGCGCGCGGGCGAATCTTCGCGGAAACTGGGTCTACTGGGTCGCGCCGCTGTTCGGGGC	921
Oy	844	CTGCTTGTGGACTGCTC	861
Db	922	GAGCTCGCTGGCGTGGTC	939

```

RESULT 13
US-09-372-448A-5
Sequence 5, Application US/09372448A
Patent No. 631376
GENERAL INFORMATION:
APPLICANT: Rudolf Jung
APPLICANT: Francois Chaumont
APPLICANT: Maarten Christpels
TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
FILE REFERENCE: 1172
CURRENT APPLICATION NUMBER: US/09/372,448A
CURRENT FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: US 60/096,627
PRIOR FILING DATE: 1998-08-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 1153
TYPE: DNA
ORGANISM: Zea mays
FEATURE:
NAME/KEY: CDS
LOCATION: (116)...(863)
US-09-372-448A-5

```

Query Match	7.8%	Score 105.4	DB 3	Length 1153
Best Local Similarity	51.4%	Pred. No. 2.5e-18		
Matches 303	Conservative	0	Mismatches 271	Indels 15
			Gaps	2
Qy	273	CATCTTCATCGGGTGGCTGTGCGTTCATTGAGAAATGGAGACGAGCACTGGCTGTGCAGCC	332	
Db	238	CATGGCTTCACGAAAGCTGACCGGGGGGGCCGACGACCCCGGGGCTGATCCGGGC	297	
Qy	333	GGCCCTGGCCCAAGGAGCTGGCTTTGGGGCTGTAATTGCCAGCTGGGAAATACATGG	392	
Db	298	GGGGGTGGCGCACGGGTTGCGCGCTGTTGCTGGCGGATGCGGTGGGGCGCAATCTCCGG	357	
Qy	393	TGAGACCTTCAACCTCTGGCGGTGTCCCTGGCAGGCATGCTGATCGAGAGGCTCAACTGGT	452	
Db	358	CGGGCACGTGAACCCGGGCCGTGAACCTTCGAGGCCCTTGATGGGCGGCAATCAACCTGTT	417	
Qy	453	GATGCTCCCTCCGATCTGGGTCTCAACAGCTCTCGGGGGAGATGTGCGGGGCTGCTTGGC	512	
Db	418	CCGAGGGCTCTGTACTGGGTGGCGCAGC-----TGTGGGGTCAACCGTGGC	465	
Qy	513	CAAGGGGTGATCTCTGAGAGAGGTTTGTGAATGCACTTGGGCGGCTTTGTACAGT	572	
Db	466	GTGCTTCTGTCTCCGCTTCTCGACGGGCGGGCAGGCCACCGGACCTTGGGCTGACGGG	525	
Qy	573	CCAGAGCAGGGGACAGTGGCAGGGGCGCTGGTGGCAGAGATCACTCTGACGACGCTGT	632	

Db 526 C--GTTCGGTGGAGGCGCTGTGCTGAAGATCGTGAATGACTTCGGGCTGTGTGA 582
QY 633 GGCCCTGCTGTATGATGAGGTGTCATCATGAGAAAGAAAGGAGCCCTTCGGAGCCGTT 692
Db 583 CACGCTGAGCGACGCGGGGTGGAACCGAAGAGGAGGAGCCCTGGGACCATGCCCCAT 642
QY 693 CTCATGCGCTTTCGCTGACCCGTGATATCTGTGAGGGGCGCTGTGTGTGAGAGCTG 752
Db 643 TGCATGCGCTTCAATCTGTGGGGGCAACATCTGTGTGGGCGCGCTTCACGCGCGCTC 702
QY 753 CATGAATCCGCGCGCTTTCGCTTTCGAGCTGAGGTGAGCAACACATGGAATTCACACTG 812
Db 703 CATGAACCCGCGCGCTGTCTTCGCGCCCGCTTCGTACGCTGGAGGTGGGGCTACCACTG 762
QY 813 GATCTACTGCTGGGCGCACTCTGTGCTGCGCTGTGTGTGAGACTGCTC 861
Db 763 GGTGTACTGGGTGGCGCCCTCATCGGCGGCGCTGCGCGCTGATC 811

RESULT 14

US-09-372-422A-31
; Sequence 31, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 1015
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (77) ... (863)
US-09-372-422A-31

Query Match 7.4%; Score 100; DB 3; Length 1015;
Best Local Similarity 51.0%; Pred. No. 6,7e-17;
Matches 294; Conservative 0; Mismatches 270; Indels 12; Gaps 2;

QY 301 GAGATGGGACGACACTGGGCTGTGACCGGCGCTTGGCCACGAGGCTTGGGG 360
Db 239 GACATGAGACGCGCGCGCGCTGTGTGCTGTGGCCCTGGCGACCGCTGGCCCTGGCC 298
QY 361 CTCGTGATTCACCGCTGGGGAATATCACTGTGTGACATTTCAACCCCTGGTGTCCCTG 420
Db 239 GTGGCGTGTGACGTGGCGCTCAACATCTGGGCGGACGTGAACCCGCGGTCACTTC 358
QY 421 GCAGCATGCTATGAGAGGCTCAACCTGTGTGTCTCTCCGTACTGGGTCTCAAG 480
Db 359 GCGCGCTGTGTGCGCGCGCGCTCTCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 418
QY 481 CTGCTGGGGGATGCTGGGGGCTTGTGCAAGTCCAGAGGCGGTGATGCTGAGAGAGGTTTC 540
Db 419 CTGCTGGG-----CGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 469
QY 541 TGAATGATCTGGGCGCGCTTGTGTGACATTCAGAGAGGAGGAGGAGGAGGAGGAGGAGG 600
Db 470 ATGGGCGCGCGGGGTTCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 526
QY 601 TTGGTGGAGATATCTGACAGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
Db 527 CTGAGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 586
QY 661 AATGAGAAGACAAAGGCGCTCTGGCGCGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720

Db 587 AAGCGGGGACACTGGGACCATCGCGCGCTGGGCGCTTCTCTGCGGCCAAC 646
QY 721 ATCTGTGGGGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 780
Db 647 GTGCTGGCGGAGGCGCTTTCACGCGCGGAGGAGTAAACCGGCGCGGCTTTCGCGCG 706
QY 781 GCGGTGTGGCAACACATGAGAACTTTCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 840
Db 707 GCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 766
QY 841 GCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 876
Db 767 GCGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 802

RESULT 15

US-09-372-422A-33
; Sequence 33, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 1081
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37) ... (799)
US-09-372-422A-33

Query Match 7.4%; Score 99.6; DB 3; Length 1081;
Best Local Similarity 49.8%; Pred. No. 8.8e-17;
Matches 289; Conservative 0; Mismatches 279; Indels 12; Gaps 1;

QY 259 GCGCTGTCTCTTCACTTCATCGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 318
Db 145 GCGTCAAGATCGGGATGCGCTTCACTGATGATGATGATGATGATGATGATGATGATGAT 204
QY 319 GCGCTGTGACGCGCGCTGTGCGCGCGCTTGTGGGCTGTGTGTGTGTGTGTGTGTGTGTGT 378
Db 205 GCGCTCATCGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 264
QY 379 GGAATATCACTGTGTGACATTTCAACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 438
Db 265 GCGAATATCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 324
QY 439 GCGCTCAACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 498
Db 325 AACTATGAGCTTCTCAAGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 384
QY 499 GGGGCTGCTGTGTGCAAGCGGTGATCTGTGAGGAGAGGTTGTGGAATGATCTGTGGGG 558
Db 385 GCGTGTCTCTCTCAAGAT-----CGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 432
QY 559 GCGTTGTGACATTCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 618
Db 433 TTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 492
QY 619 CTGACAGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 678
Db 493 TTGGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 552
QY 679 CTTGTGCGCGCTTCTCATCGGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 738

Db	553	GTGATCGCGCCCATCGGCCTTCATCGTCGCGCCCAACATCCTGGGGGGGGCGCC	612
Qy	739	GTGTCGAGGGCTGCATGAATCCCGCCCGTCTTTGACCTGCGGTGGCCAAACAC	798
Db	613	TTGACGGCGCCTCCATGAACCCCGCGTCTCTTCGGCCCGCGCGTGGTCAACCGCGTC	672
Qy	799	TGGAACCTCCACTGATCTACTGCTGGGCCCACTCCTGG	838
Db	673	TGGGAGAACCACTGGGTGTACTGGTCCGCCCACTCGCGG	712

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 Job time : 232.101 secs

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THI

QY 121 GTCCCTTTTCCCTACGCGAGATAGCCATGCTGAGCCCTGATTTGGAAATGACAAGGCC 180
DB 121 GTCCCTTTTCCCTACGCGAGATAGCCATGCTGAGCCCTGATTTGGAAATGACAAGGCC 180
QY 181 AGGAGCCGAGACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 240
DB 181 AGGAGCCGAGACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 240
QY 241 TGTCTGTGCAACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 300
DB 241 TGTCTGTGCAACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 300
QY 301 GAGAAATGGAGCGAGCACTGGGCTGCTGACGCGGCTGGGCTGGGCTGGGCTGGGCTGGG 360
DB 301 GAGAAATGGAGCGAGCACTGGGCTGCTGACGCGGCTGGGCTGGGCTGGGCTGGGCTGGG 360
QY 361 CTGCTGATTTGCCACGCTGGGAGATATAGTGTGGAGCACTTCAACCTTGGGCTGGGCTGG 420
DB 361 CTGCTGATTTGCCACGCTGGGAGATATAGTGTGGAGCACTTCAACCTTGGGCTGGGCTGG 420
QY 421 GCAGCCATGCTGATCGGAGGCTCAACCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 421 GCAGCCATGCTGATCGGAGGCTCAACCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTG 480
QY 481 CTGCTCGGGGGAGTGTCTGGGGCTGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 540
DB 481 CTGCTCGGGGGAGTGTCTGGGGCTGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 540
QY 541 TGGAAATGCAATCGGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 600
DB 541 TGGAAATGCAATCGGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 600
QY 601 TTGATGCGAGAGATCATCTGACGAGCTGCTGAGCTGCTGAGCTGCTGATGCTGCTGCTGCTG 660
DB 601 TTGATGCGAGAGATCATCTGACGAGCTGCTGAGCTGCTGAGCTGCTGATGCTGCTGCTGCTG 660
QY 661 AATGAGAAACAAAGGCGCTCTGCGCCCGCTTCTCAATGCTGCTGCTGCTGCTGCTGCTGCTG 720
DB 661 AATGAGAAACAAAGGCGCTCTGCGCCCGCTTCTCAATGCTGCTGCTGCTGCTGCTGCTGCTG 720
QY 721 ATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
DB 721 ATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
QY 781 GCGGTGTGGCCCACTGGAATCTTCACTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
DB 781 GCGGTGTGGCCCACTGGAATCTTCACTGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
QY 841 GGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
DB 841 GGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
QY 901 CTGAAAGCTCGGTGGAAGCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
DB 901 CTGAAAGCTCGGTGGAAGCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
QY 961 CCTGTCCAGACTGAGAGCAGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
DB 961 CCTGTCCAGACTGAGAGCAGAGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
QY 1021 GAGGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
DB 1021 GAGGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
QY 1081 GGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
DB 1081 GGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
QY 1141 GCGCGCACTGCGCGAGAGCAGTGAACACCAACAGAGCGCTTCTTGAAGGAA 1200
DB 1141 GCGCGCACTGCGCGAGAGCAGTGAACACCAACAGAGCGCTTCTTGAAGGAA 1200
QY 1201 TGTCCCGAGTTGAGCAAGAGGCTGTTCTGCAATAGCTCATTTCCCGCAACCCATT 1260

DB 1201 TGTCCCGAGTTGAGCAAGAGGCTGTTCTGCAATAGCTCATTTCCCGCAACCCATT 1260
QY 1261 TCTTGCTGATGCTGTTGTGGGGGCTGGCCACTTCTGCTTCTGCAAGCTGACAAATTC 1320
DB 1261 TCTTGCTGATGCTGTTGTGGGGGCTGGCCACTTCTGCTTCTGCAAGCTGACAAATTC 1320
QY 1321 TCACCTTGGCAATTAATATGTCAGTGTTCCTTCC 1354
DB 1321 TCACCTTGGCAATTAATATGTCAGTGTTCCTTCC 1354

RESULT 2
US-10-396-943-2
; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 274542CB1
; PUBLICATION INFORMATION:
US-10-396-943-2

Query Match 100.0%; Score 1354; DB 16; Length 1354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 GGTGAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 AATCAAGTTGGGGGCTGCGGGCTTCTATATCTGCACTTGACCTGCCCAACCCGCTGCTGCTG 120
DB 61 AATCAAGTTGGGGGCTGCGGGCTTCTATATCTGCACTTGACCTGCCCAACCCGCTGCTGCTGCTG 120
QY 121 GTCCCTTTTCCCTACGCGAGATAGCCATGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
DB 121 GTCCCTTTTCCCTACGCGAGATAGCCATGCTGAGCTGCTGAGCTGCTGCTGCTGCTGCTGCTGCTG 180
QY 181 AGGAGCCGAGACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 240
DB 181 AGGAGCCGAGACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 240
QY 241 TGTCTGTGCAACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 300
DB 241 TGTCTGTGCAACGCTGGGTGGGAGGTGGGAGGTCTCTGATACGAAACGCTTTGTGACGCA 300
QY 301 GAGAAATGGAGCGAGCACTGGGCTGCTGACGCGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 360
DB 301 GAGAAATGGAGCGAGCACTGGGCTGCTGACGCGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 360
QY 361 CTGCTGATTTGCCACGCTGGGAGATATAGTGTGGAGCACTTCAACCTTGGGCTGGGCTGGGCTGG 420
DB 361 CTGCTGATTTGCCACGCTGGGAGATATAGTGTGGAGCACTTCAACCTTGGGCTGGGCTGGGCTGG 420
QY 421 GCAGCCATGCTGATCGGAGGCTCAACCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480

421 GAGCATTCTATCGAGGCTCAACCTGGTATCTCTCCCGACTGGGTCTACAG 480
481 CTGCTGGGGGATGCTCGGGCTGCTTGGCCAAAGCGGTAGTCTTGAGAGAGTTCC 540
481 CTGCTCGGGGATGCTCGGGCTGCTTGGCCAAAGCGGTAGTCTTGAGAGAGTTCC 540
541 TGGATGCACTGCGGGCGGCTTTGAGAGTCCAGAGACAGAGGAGGTGGCAGGGGG 600
541 TGGATGCACTGCGGGCGGCTTTGAGAGTCCAGAGACAGAGGAGGTGGCAGGGGG 600
601 TTGGTGGCAGAGATCACTGACAGAGCTGAGGCTGAGCTGATGATGAGGTGCTC 660
601 TTGGTGGCAGAGATCACTGACAGAGCTGAGGCTGAGCTGATGATGAGGTGCTC 660
661 AATGAGAGACAAAGGGCCCTCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 720
661 AATGAGAGACAAAGGGCCCTCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 720
721 ATCTGCTGGGGGGGCTGCTGCTGAGAGCTGATGATGATGATGATGATGATGAT 780
721 ATCTGCTGGGGGGGCTGCTGCTGAGAGCTGATGATGATGATGATGATGATGAT 780
781 GGGGTGGTGGCCAACTGAACTTCACTGATCTAGCTGAGGCTGAGGCTGAGGCT 840
781 GGGGTGGTGGCCAACTGAACTTCACTGATCTAGCTGAGGCTGAGGCTGAGGCT 840
841 GGGGTGGTGGCCAACTGAACTTCACTGATCTAGCTGAGGCTGAGGCTGAGGCT 900
841 GGGGTGGTGGCCAACTGAACTTCACTGATCTAGCTGAGGCTGAGGCTGAGGCT 900
901 CTGAAGGCTGGTGAAGCAGAGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 960
901 CTGAAGGCTGGTGAAGCAGAGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 960
961 CCGTCCCACTGAGAGCAGAGGAGTCTGCACTTCTGCGAGGAGGAGGAGGAGG 1020
961 CCGTCCCACTGAGAGCAGAGGAGTCTGCACTTCTGCGAGGAGGAGGAGGAGG 1020
1021 GAGGCACTGCTGCTTCACTGCTGAGGCTGCTTCTGAGATGAGCTGAGTCTG 1080
1021 GAGGCACTGCTGCTTCACTGCTGAGGCTGCTTCTGAGATGAGCTGAGTCTG 1080
1081 GGGTCTGAGGCTTGAATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
1081 GGGTCTGAGGCTTGAATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
1141 GGGGCACTGCTGCTTCACTGCTGAGGCTGCTTCTGAGATGAGCTGAGTCTG 1200
1141 GGGGCACTGCTGCTTCACTGCTGAGGCTGCTTCTGAGATGAGCTGAGTCTG 1200
1201 TGTCCCGAGTGGACAAGAGGCTGCTTCTGCACTGATCTGCTGCTGCTGCTGCT 1260
1201 TGTCCCGAGTGGACAAGAGGCTGCTTCTGCACTGATCTGCTGCTGCTGCTGCT 1260
1261 TCTTCTGCTGCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
1261 TCTTCTGCTGCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
1321 TCACTTGGCAATTAATAGTCCAGTGTTCCTTCC 1354
1321 TCACTTGGCAATTAATAGTCCAGTGTTCCTTCC 1354

RESULT 3
US-09-981-353-62
; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US

CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc. feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CBI
US-09-981-353-62
Query Match 89.6%; Score 1213.6; DB 9; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
122 TCCCTTTTCCCTAGGAGATAGCCATGATGAGCTGATTTGAGCAAGAGCCA 181
122 TCCCTTTTCCCTAGGAGATAGCCATGATGAGCTGATTTGAGCAAGAGCCA 181
85 TCTGATGCTGAGAGAGATAGCTGATGAGCTGATTTGAGCAAGAGCCA 144
85 TCTGATGCTGAGAGAGATAGCTGATGAGCTGATTTGAGCAAGAGCCA 144
182 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGGTGCTGATGAGAGGCTTGTGAGCCAT 241
182 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGGTGCTGATGAGAGGCTTGTGAGCCAT 241
145 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGGTGCTGATGAGAGGCTTGTGAGCCAT 204
145 GGAAGCCAGAGCTGGGTGGCAGGTGGCAGGTGCTGATGAGAGGCTTGTGAGCCAT 204
242 GTCTGATGAGTCTGAGCTCTGCTCTCTTCACTTCACTGAGGCTGCTGCTGCTGCT 301
242 GTCTGATGAGTCTGAGCTCTGCTCTCTTCACTTCACTGAGGCTGCTGCTGCTGCT 301
205 GTCTGATGAGTCTGAGCTCTGCTCTCTTCACTTCACTGAGGCTGCTGCTGCTGCT 264
205 GTCTGATGAGTCTGAGCTCTGCTCTCTTCACTTCACTGAGGCTGCTGCTGCTGCT 264
302 AGAATGGAGAGAGAGCTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGT 361
302 AGAATGGAGAGAGAGCTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGT 361
265 AGAATGGAGAGAGAGCTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGT 324
265 AGAATGGAGAGAGAGCTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGT 324
362 TCGTATGCTGAGAGAGAGATATCAGTGTGAGCACTTCAACCTGAGGTGCTGAG 421
362 TCGTATGCTGAGAGAGAGATATCAGTGTGAGCACTTCAACCTGAGGTGCTGAG 421
325 TCGTATGCTGAGAGAGAGATATCAGTGTGAGCACTTCAACCTGAGGTGCTGAG 384
325 TCGTATGCTGAGAGAGAGATATCAGTGTGAGCACTTCAACCTGAGGTGCTGAG 384
422 CAGGATGCTGATGAGAGAGAGCTGAGGTGAGTCTCTCTGATGAGTCTGAGTCTGAG 481
422 CAGGATGCTGATGAGAGAGAGCTGAGGTGAGTCTCTCTGATGAGTCTGAGTCTGAG 481
385 CAGGATGCTGATGAGAGAGAGCTGAGGTGAGTCTCTCTGATGAGTCTGAGTCTGAG 444
385 CAGGATGCTGATGAGAGAGAGCTGAGGTGAGTCTCTCTGATGAGTCTGAGTCTGAG 444
482 TGTCTGGGGGGAGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGG 541
482 TGTCTGGGGGGAGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGG 541
445 TGTCTGGGGGGAGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGG 504
445 TGTCTGGGGGGAGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGGGGTGTGGGG 504
542 GGAATGCACTGAGGAGAGAGCTTGTGAGAGTCAAGAGAGAGAGAGAGAGAGAGAG 601
542 GGAATGCACTGAGGAGAGAGCTTGTGAGAGTCAAGAGAGAGAGAGAGAGAGAGAG 601
505 GGAATGCACTGAGGAGAGAGCTTGTGAGAGTCAAGAGAGAGAGAGAGAGAGAGAG 564
505 GGAATGCACTGAGGAGAGAGCTTGTGAGAGTCAAGAGAGAGAGAGAGAGAGAGAG 564
602 TGTGGCAGAGATCACTGAGAGAGCTGAGGCTGAGGCTGATGAGTGGTGCATCA 661
602 TGTGGCAGAGATCACTGAGAGAGCTGAGGCTGAGGCTGATGAGTGGTGCATCA 661
565 TGTGGCAGAGATCACTGAGAGAGCTGAGGCTGAGGCTGATGAGTGGTGCATCA 624
565 TGTGGCAGAGATCACTGAGAGAGCTGAGGCTGAGGCTGATGAGTGGTGCATCA 624
662 ATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 721
662 ATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 721
625 ATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 684
625 ATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 684
722 TCTTGGCTGGGGGCTGCTGCTGCTGAGAGCTGAGTATCCCGGCTGCTTGTGAGCTG 781
722 TCTTGGCTGGGGGCTGCTGCTGCTGAGAGCTGAGTATCCCGGCTGCTTGTGAGCTG 781
685 TCTTGGCTGGGGGCTGCTGCTGCTGAGAGCTGAGTATCCCGGCTGCTTGTGAGCTG 744
685 TCTTGGCTGGGGGCTGCTGCTGCTGAGAGCTGAGTATCCCGGCTGCTTGTGAGCTG 744
782 CGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 841
782 CGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 841
745 CGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 804
745 CGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 804
842 GCGTCTGCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 901
842 GCGTCTGCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 901
805 GCGTCTGCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 864
805 GCGTCTGCTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 864
902 TGAAGGCTCGGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 961
902 TGAAGGCTCGGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 961
865 TGAAGGCTCGGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 924
865 TGAAGGCTCGGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 924

QY 962 CTGTCACGAGTGAAGAGAGGAGTCTGTCATTTCTGCGCAGGAGAGAGCCCAAGG 1021
DB 925 CTGTCACGAGTGAAGAGAGGAGGAGTCTGTCATTTCTGCGCAGGAGAGAGCCCAAGG 984
QY 1022 AGCGACCCCTGCTTCCATGCTTGGGCTGCTTCTGAGATGAGTGAAGTGAAGG 1081
DB 985 AGCGACCCCTGCTTCCATGCTTGGGCTGCTTCTGAGATGAGTGAAGTGAAGG 1044
QY 1082 GCTCTAGGTTCTTGAGATTCCTTGTGCTATCAGAGACCCGAGCTTGGAGACGCTG 1141
DB 1045 GCTCTAGGTTCTTGAGATTCCTTGTGCTATCAGAGACCCGAGCTTGGAGACGCTG 1104
QY 1142 CCGCAGTGGCCAGAGAGAGTGAACAACCAACAAGAGGCTTCTTGAGAGGAT 1201
DB 1105 CCGCAGTGGCCAGAGAGAGTGAACAACCAACAAGAGGCTTCTTGAGAGGAT 1164
QY 1202 GTCCCGAGTTGACAAAGAGGCTGTTTCTGACATGACTCATTTCCGACCCCATTT 1261
DB 1165 GTCCCGAGTTGACAAAGAGGCTGTTTCTGACATGACTCATTTCCGACCCCATTT 1224
QY 1262 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTCAAGTGAATTC 1321
DB 1225 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTCAAGTGAATTC 1284
QY 1322 CACTTGCATTAATAATAGTCCAGTCTTC 1349
DB 1285 CACTTGCATTAATAATAGTCCAGTCTTC 1312

RESULT 4

US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc. feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLIC INFORMATION:
US-10-396-943-5

Query Match 89.6%; Score 1213.6; DB 16; Length 1312;
Beet Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTTGAAGGAGATGATGAGTGAAGCTTGAATTTGGCAATGACAGGCCA 181
DB 85 TCCCTGATTTCTGAGAGAGATGATGAGTGAAGCTTGAATTTGGCAATGACAGGCCA 144
QY 182 GGAAGCCGAGCGTGGGTGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 241
DB 145 GGAAGCCGAGCGTGGGTGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 204
QY 242 GTCTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 301
DB 205 GTCTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 264

QY 302 AGAATGAGACGAGCACTGGGCTGCTGACAGCCGGCCCTGGCCCAAGGAGCTTGGGGC 361
DB 265 AGAATGAGACGAGCACTGGGCTGCTGACAGCCGGCCCTGGCCCAAGGAGCTTGGGGC 324
QY 362 TCGTGAATTTGACAGCTGGGAGAAATATCAGTGTGAGACATTTCAACCTTGGTCCCTG 421
DB 325 TCGTGAATTTGACAGCTGGGAGAAATATCAGTGTGAGACATTTCAACCTTGGTCCCTG 384
QY 422 CAGCATGCTGATTCGAGAGGCTCAACCTGATGATGATGATGATGATGATGATGATGATG 481
DB 385 CAGCATGCTGATTCGAGAGGCTCAACCTGATGATGATGATGATGATGATGATGATGATG 444
QY 482 TGTCTGGGAGGATGCTGGGAGCTGCTTGGCCAGAGCGGTGATGCTTGAAGAGTCTT 541
DB 445 TGTCTGGGAGGATGCTGGGAGCTGCTTGGCCAGAGCGGTGATGCTTGAAGAGGATCT 504
QY 542 GGAATGATCTGAGGAGGCTGCTTGGAGAGTGCAGAGACAGGAGAGGAGAGGAGGAGG 601
DB 505 GGAATGATCTGAGGAGGCTGCTTGGAGAGTGCAGAGACAGGAGAGGAGAGGAGGAGG 564
QY 602 TGTGACAGATCATCTGACAGAGCTGCTGAGCTGAGCTGATGATGATGATGATGATGAT 661
DB 565 TGTGACAGATCATCTGACAGAGCTGCTGAGCTGAGCTGATGATGATGATGATGATGAT 624
QY 662 ATGAGAGACAAAGGAGGCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 721
DB 625 ATGAGAGACAAAGGAGGCTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 684
QY 722 TCTGAGCTGGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 781
DB 685 TCTGAGCTGGGAGGCTTGTGCTGAGAGCTGATGATGATGATGATGATGATGATGATGAT 744
QY 782 CGGTGTGAGCAACCACTGGAATCTTCACTGATCTAATGAGTGGAGAGAGGAGGAGG 841
DB 745 CGGTGTGAGCAACCACTGGAATCTTCACTGATCTAATGAGTGGAGAGAGGAGGAGG 804
QY 842 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 901
DB 805 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 864
QY 902 TGAAGGCTCGGTGAGAGAGAGAGCTGCTGAGATTCCTGCTGCTGCTGCTGCTGCTGCT 961
DB 865 TGAAGGCTCGGTGAGAGAGAGAGCTGCTGAGATTCCTGCTGCTGCTGCTGCTGCTGCT 924
QY 962 CTGTCACGAGTGAAGAGAGAGGAGTCTGCTGATTTCTGCGCAGGAGAGGAGGAGG 1021
DB 925 CTGTCACGAGTGAAGAGAGAGGAGTCTGCTGATTTCTGCGCAGGAGAGGAGGAGG 984
QY 1022 AGCGACCCCTGCTTCCATGCTTGGGCTGCTTCTGAGATGAGTGAAGTGAAGG 1081
DB 985 AGCGACCCCTGCTTCCATGCTTGGGCTGCTTCTGAGATGAGTGAAGTGAAGG 1044
QY 1082 GCTCTAGGTTCTTGAGATTCCTTGTGCTATCAGAGACCCGAGCTTGGAGACGCTG 1141
DB 1045 GCTCTAGGTTCTTGAGATTCCTTGTGCTATCAGAGACCCGAGCTTGGAGACGCTG 1104
QY 1142 CCGCAGTGGCCAGAGAGAGTGAACAACCAACAAGAGGCTTCTTGAGAGGAT 1201
DB 1105 CCGCAGTGGCCAGAGAGAGTGAACAACCAACAAGAGGCTTCTTGAGAGGAT 1164
QY 1202 GTCCCGAGTTGACAAAGAGGCTGTTTCTGACATGACTCATTTCCGACCCCATTT 1261
DB 1165 GTCCCGAGTTGACAAAGAGGCTGTTTCTGACATGACTCATTTCCGACCCCATTT 1224
QY 1262 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTCAAGTGAATTC 1321
DB 1225 CTGCTGATTTGCTTGTGGGGGCTGGCCACTTCTTGTCTCAAGTGAATTC 1284
QY 1322 CACTTGCATTAATAATAGTCCAGTCTTC 1349
DB 1285 CACTTGCATTAATAATAGTCCAGTCTTC 1312

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RESULT 5
US-09-925-299-67
; Sequence 67, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Query Match      89.6%; Score 1213.4; DB 9; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATGCCATGTGTGAGCCTGTAATTTGGCAATGACAAAGCCGAGAGCCGAGGCTGGTG 199
DB 111 AGATGCCATGTGTGAGCCTGTAATTTGGCAATGACAAAGCCGAGAGCCGAGGCTGGTG 170
QY 200 GGAAGTGGCGAGTGTCTGTGAGCGGTTTGTGAGGCGATGTGCTGATGCAATGCTGG 259
DB 171 GCAAGTGGCGAGTGTCTGTGAGCGGTTTGTGAGGCGATGTGCTGATGCAATGCTGG 230
QY 260 GCTGTGCTCTCTTCAATCTTCAATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319
DB 231 GCTGTGCTCTCTTCAATCTTCAATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 290
QY 320 GGGTCTGAGAGCGGCGCCCTGAGCGGCGGCGGCTGGCTGGGCTGGGCTGGGCTGGG 379
DB 291 GGGTCTGAGAGCGGCGCCCTGAGCGGCGGCGGCTGGGCTGGGCTGGGCTGGGCTGGG 350
QY 380 GGAATATCATGTGTGAGCACTTCAACCCGCGGCTGCTGCGAGCGCATGATCGAG 439
DB 351 GGAATATCATGTGTGAGCACTTCAACCCGCGGCTGCTGCGAGCGCATGATCGAG 410
QY 440 GCTTCAACTGTGTGATGCTCTCCGTACTGGGCTCTCAAGCTGCTCGGGGAGATGCTCG 499
DB 411 GCTTCAACTGTGTGATGCTCTCCGTACTGGGCTCTCAAGCTGCTCGGGGAGATGCTCG 470
QY 500 GGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGAGAGAGTTTGGAAATGATCTGGGGCGG 559
DB 471 GGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGAGAGAGTTTGGAAATGATCTGGGGCGG 530
QY 560 CTTTGTGACAGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 619
DB 531 CTTTGTGACAGTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 590
QY 620 TGACGACGCTGTGAGCGGCTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 679
DB 591 TGACGACGCTGTGAGCGGCTGTATGATGATGATGATGATGATGATGATGATGATGATGATG 650
QY 680 CTCTGAGCGGCTGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 739
DB 651 CTCTGAGCGGCTGTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 710
QY 740 TGCTGAGAGGCTGTGAGATCCGCGCGGCTTTTGGAGCTGCGGAGGAGGAGGAGGAGGAGGAGGAG 799
DB 711 TGCTGAGAGGCTGTGAGATCCGCGCGGCTTTTGGAGCTGCGGAGGAGGAGGAGGAGGAGGAGGAG 770
QY 800 GGAACCTTCCACTGATCTAATGCTGAGGCGCACTCTGAGCTGAGCTGCTGTTGTGAGACTGC 859
DB 771 GGAACCTTCCACTGATCTAATGCTGAGGCGCACTCTGAGCTGAGCTGCTGTTGTGAGACTGC 830
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QY 860 TCATTAGGCTCTTCAATTTGAGAGATGGAGAACCCCGCTCATCTGAAAGGCTCGGTGAGACA 919
DB 831 TCATTAGGCTCTTCAATTTGAGAGATGGAGAACCCCGCTCATCTGAAAGGCTCGGTGAGACA 890
QY 920 GAGCTGTGAGAGATTCCTGTGCTGCTGAGGAGTCTCTGAGCTCACCTGTCCAGACTGAGAG 979
DB 891 GAGCTGTGAGAGATTCCTGTGCTGCTGAGGAGTCTCTGAGCTCACCTGTCCAGACTGAGAG 950
QY 980 AAGGAGATTCCTGCAATTTCTGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1039
DB 951 AAGGAGATTCCTGCAATTTCTGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1010
QY 1040 CTGCTTGGGCGCTCTTCTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1099
DB 1011 CTGCTTGGGCGCTCTTCTGCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1070
QY 1100 TCCTTTGTGCTCATGAGAGACCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1159
DB 1071 TCCTTTGTGCTCATGAGAGACCCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1130
QY 1160 CAGTCAAAACACCAACACGAGCGTGTCTTGTGAGAGGATGTCCCGAGTTGACAAAG 1219
DB 1131 CAGTCAAAACACCAACACGAGCGTGTCTTGTGAGAGGATGTCCCGAGTTGACAAAG 1190
QY 1220 GAGGCTGTCTTGTGACATGACTCATTTCCGACACCCATTTCTGTTGATGCTTTGT 1279
DB 1191 GAGGCTGTCTTGTGACATGACTCATTTCCGACACCCATTTCTGTTGATGCTTTGT 1250
QY 1280 TGGGGGCGTGGCGACCTTCTGCTTCTGAGCTGCAATTCACCTTGCATTAATAGT 1339
DB 1251 TGGGGGCGTGGCGACCTTCTGCTTCTGAGCTGCAATTCACCTTGCATTAATAGT 1310
QY 1340 CCAAGTGTTCCTTCC 1354
DB 1311 CCAAGTGTTCCTTCC 1325

RESULT 6
US-09-925-299-67
; Sequence 67, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Query Match      89.6%; Score 1213.4; DB 10; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATGCCATGTGTGAGCCTGTAATTTGGCAATGACAAAGCCGAGAGCCGAGGCTGGTG 199
DB 111 AGATGCCATGTGTGAGCCTGTAATTTGGCAATGACAAAGCCGAGAGCCGAGGCTGGTG 170
QY 200 GGAAGTGGCGAGTGTCTGTGAGCGGTTTGTGAGGCGATGTGCTGATGCAATGCTGG 259
DB 171 GCAAGTGGCGAGTGTCTGTGAGCGGTTTGTGAGGCGATGTGCTGATGCAATGCTGG 230
QY 260 GCTGTGCTCTCTTCAATCTTCAATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319
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Db	231	GCTCTGCTCTTTCATTCCTTACCTGGAGTCCCTGTGCTCATTTGAATAATGGGACGGACCTG	230
Qy	320	GGCTGCTGACGCGCCCTGGCCCAACGGGACTGGCTTTGGGCTCGTGAATTTGCCACGCTGG	379
Db	291	GGCTGCTGACGCGCCCTGGCCCAACGGGACTGGCTTTGGGCTCGTGAATTTGCCACGCTGG	350
Qy	380	GGATATCAGTGGTGGACACTTCAACCCCTGGGCTGCTCCCTGGGACCATCTGTATCGAG	439
Db	351	GGATATCAGTGGTGGACACTTCAACCCCTGGGCTGCTCCCTGGGACCATCTGTATCGAG	410
Qy	440	GCTTCAACTGTGTATGCTCTCCGTACTGGGTCTACAGCTCTCGGGGATGCTCG	499
Db	411	GCTTCAACTGTGTATGCTCTCCGTACTGGGTCTACAGCTCTCGGGGATGCTCG	470
Qy	500	GGGCTGCTTTGGCCCAAGCCGTGATGCTCTGAGGAGAGCTTCTGGAATGCACTTGGGCGG	559
Db	471	GGGCTGCTTTGGCCCAAGCCGTGATGCTCTGAGGAGAGCTTCTGGAATGCACTTGGGCGG	530
Qy	560	CTTTTGTGACAGTCCAGAGACAGGGGACAGGTGGACAGGGGCGTTGGTGGCAGAAATCATCC	619
Db	531	CTTTTGTGACAGTCCAGAGACAGGGGACAGGTGGACAGGGGCGTTGGTGGCAGAAATCATCC	590
Qy	620	TGACGACGCTGCTGGCCCTGGCTGTATGCAATGGGTGCAATGATGAGAGCAAAAGGCC	679
Db	591	TGACGACGCTGCTGGCCCTGGCTGTATGCAATGGGTGCAATGATGAGAGCAAAAGGCC	650
Qy	680	CTTGGCCCCGTTCTCCATGAGGCTTGGCCGCTCACCCGTGAATCTCTGGCTGGGGGCTCTG	739
Db	651	CTTGGCCCCGTTCTCCATGAGGCTTGGCCGCTCACCCGTGAATCTCTGGCTGGGGGCTCTG	710
Qy	740	TGCTTGAGAGCTGCATGAAATCCGCCCCGTGCTTTTGAACCTGGGCTGGGTGGCAACACT	799
Db	711	TGCTTGAGAGCTGCATGAAATCCGCCCCGTGCTTTTGAACCTGGGCTGGGTGGCAACACT	770
Qy	800	GGAACTTCCACTGGATCTACTGGCTGGGCCCACTCTGGCTGGCTGCTTGTTTGAATGCG	859
Db	771	GGAACTTCCACTGGATCTACTGGCTGGGCCCACTCTGGCTGGCTGCTTGTTTGAATGCG	830
Qy	860	TCATTAAGTCTTCATTGAGAGTGGAGAGACCGACTCATCTGTAAGGCTCGGTAAAGCA	919
Db	831	TCATTAAGTCTTCATTGAGAGTGGAGAGACCGACTCATCTGTAAGGCTCGGTAAAGCA	890
Qy	920	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCTCACTCACTGTCCCAAGCTGAGAC	979
Db	891	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCTCACTCACTGTCCCAAGCTGAGAC	950
Qy	980	AGGGGAGTTCAGCAATTTCTGCAGAGGACAGAGGCCAGAGGAGGAGACCCCTGTTTCA	1039
Db	951	AGGGGAGTTCAGCAATTTCTGCAGAGGACAGAGGCCAGAGGAGGAGACCCCTGTTTCA	1010
Qy	1040	CTGCTTTGGGCTGCTTCTCAATAGACTGACTGTGAGAGGCTCTAGTCTTGGAAAT	1099
Db	1011	CTGCTTTGGGCTGCTTCTCAATAGACTGACTGTGAGAGGCTCTAGTCTTGGAAAT	1070
Qy	1100	TCTTTTGTGTCATGAGAGACCCGAGCCCTGGGGAACAAGCTGCCGCACTGCGCAAGAG	1159
Db	1071	TCTTTTGTGTCATGAGAGACCCGAGCCCTGGGGAACAAGCTGCCGCACTGCGCAAGAG	1130
Qy	1160	CAGTGCAAACCAACAACAACGAGCGTGTTCCTTGAAGAAATGTCCCGAATTGGAACAAG	1219
Db	1131	CAGTGCAAACCAACAACAACGAGCGTGTTCCTTGAAGAAATGTCCCGAATTGGAACAAG	1190
Qy	1220	GAGGCTGTTTTCTGCAATCAGGTCAATTTCCCGACCCCAATTTCTTGTGTAATGCTTGT	1279
Db	1191	GAGGCTGTTTTCTGCAATCAGGTCAATTTCCCGACCCCAATTTCTTGTGTAATGCTTGT	1250
Qy	1280	TGGGGGCTGGGCACTTCTCTTGTCTCAAGCTGCAATTTCTCACTTTGCAATTAATAGT	1339
Db	1251	TGGGGGCTGGGCACTTCTCTTGTCTCAAGCTGCAATTTCTCACTTTGCAATTAATAGT	1310
Qy	1340	CCAGTGTTCCTTCC	1354

	Db	1311	CCAGTGTTCCTTCC	1325
			RESULT 7	
			US-10-023-896-40	
			/ Sequence 40, Application US/10023896	
			/ Publication No. US2003002776A1	
			/ GENERAL INFORMATION:	
			/ APPLICANT: Victor Roachke	
			/ TITLE OF INVENTION: 29 Human Cancer Associated Proteins	
			/ FILE REFERENCE: PNO04P1	
			/ CURRENT APPLICATION NUMBER: US/10/023,896	
			/ CURRENT FILING DATE: 2001-12-21	
			/ PRIOR APPLICATION NUMBER: unaassigned	
			/ PRIOR FILING DATE: 2001-12-21	
			/ PRIOR APPLICATION NUMBER: PCT/US00/23794	
			/ PRIOR FILING DATE: 2000-08-30	
			/ PRIOR APPLICATION NUMBER: 60/152,296	
			/ PRIOR FILING DATE: 1999-09-03	
			/ PRIOR APPLICATION NUMBER: 60/158,003	
			/ PRIOR FILING DATE: 1999-10-06	
			/ NUMBER OF SEQ ID NOS: 138	
			/ SOFTWARE: PatentIn Ver. 2.0	
			/ SEQ ID NO 40	
			/ LENGTH: 1410	
			/ TYPE: DNA	
			/ ORGANISM: Homo sapiens	
			US-10-023-896-40	
			Query Match	
			Best Local Similarity 89.6%; Score 1213.4; DB 14; Length 1410;	
			Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
QY	140	AGATTACCATGTTGTGAAGCTTGAAATTTGGCAATGACAAGGCCAGGAGCCTGTGGTG	199	
Db	111	AGATTACCATGTTGTGAAGCTTGAAATTTGGCAATGACAAGGCCAGGAGCCTGTGGTG	170	
QY	200	GGAAGTGGGAGAATGTCTCTGTACGAACCGTTTGTGCAGCAATGTCTGTGAATCTGTGG	259	
Db	171	GCAAGTGGGAGAATGTCTCTGTACGAACCGTTTGTGCAGCAATGTCTGTGAATCTGTGG	230	
QY	260	GCTTGCTCTCTTCAATCTTCAATCGGGTGTCTGTGGTCAATTAAGAAATGGACGACACTG	319	
Db	231	GCTTGCTCTCTTCAATCTTCAATCGGGTGTCTGTGGTCAATTAAGAAATGGACGACACTG	290	
QY	320	GAGTCTGTGACGGCCGCTTGGCCACCGGGCTGTGTTGGGGCTGTGATTTGCCACGCTGG	379	
Db	291	GAGTCTGTGACGGCCGCTTGGCCACCGGGCTGTGTTGGGGCTGTGATTTGCCACGCTGG	350	
QY	380	GGAATATCAATGTGTGAACAATTCAACCCTTGGCGGTGTCTTGGCACCAATGCTGATTCGAG	439	
Db	351	GGAATATCAATGTGTGAACAATTCAACCCTTGGCGGTGTCTTGGCACCAATGCTGATTCGAG	410	
QY	440	GCTTCAACCTGGTGAATGCTCTCCCGTACTGGGTCTCAACGCTGTCTGGGGGGATGTCTCG	499	
Db	411	GCTTCAACCTGGTGAATGCTCTCCCGTACTGGGTCTCAACGCTGTCTGGGGGGATGTCTCG	470	
QY	500	GAGCTGCTTGGCCAAAGCGGGTGAATCTTGAAGAGAGTTCTGGAAATGCAATCTGGGCGG	559	
Db	471	GAGCTGCTTGGCCAAAGCGGGTGAATCTTGAAGAGAGTTCTGGAAATGCAATCTGGGCGG	530	
QY	560	CCTTTGTGACAGTCCAGGAGGAGGGGAGGTGTGAGAGGGGGCTTGTGTGGCAGATATCTCC	619	
Db	531	CCTTTGTGACAGTCCAGGAGGAGGGGAGGTGTGAGAGGGGGCTTGTGTGGCAGATATCTCC	590	
QY	620	TGACGACGCTGTGCGCTGTGTATGCAATGGGTGCAATCAATGAGAAACAAGGCGC	679	
Db	591	TGACGACGCTGTGCGCTGTGTATGCAATGGGTGCAATCAATGAGAAACAAGGCGC	650	
QY	680	CTCTGAGCCCGCTTTCATGAGGCTTTGGCCGTCAACCGTGAATATCTGTGCTGGGGCCCTTG	739	
Db	651	CTCTGAGCCCGCTTTCATGAGGCTTTGGCCGTCAACCGTGAATATCTGTGCTGGGGCCCTTG	710	

740 TGTCTGAGAGCTGATGAAATCCGCGCCGTCCTTTTGGACCTGCGGTGGCCCAACT 799
711 TGTCTGAGAGCTGATGAAATCCGCGCCGTCCTTTTGGACCTGCGGTGGCCCAACT 770
800 GGAACCTTCACATGATCTAATGCTGAGGCGCACTCCCTGAGCTGCTGTTGGAATG 859
771 GGAACCTTCACATGATCTAATGCTGAGGCGCACTCCCTGAGCTGCTGTTGGAATG 830
860 TCATTAGGTGCTTCAATTTGAGATGAGAAAGACCCGCTCATCTGAAAGCTGGTGAAG 919
831 TCATTAGGTGCTTCAATTTGAGATGAGAAAGACCCGCTCATCTGAAAGCTGGTGAAG 890
920 GAGCTGTGAGGATTCCTGCTGCTCCAGGTGCTCTGAGCTCACTGCTCCAGACTGAGAC 979
891 GAGCTGTGAGGATTCCTGCTGCTCCAGGTGCTCTGAGCTCACTGCTCCAGACTGAGAC 950
980 AGGGAGATTCTGCAATTTCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1039
951 AGGGAGATTCTGCAATTTCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1010
1040 CTGCTTGGGCTGCTTTTCTCAATGATGATGATGATGATGATGATGATGATGATGAT 1099
1011 CTGCTTGGGCTGCTTTTCTCAATGATGATGATGATGATGATGATGATGATGATGAT 1070
1100 TCCTTTGCTCATGAGAGACCCGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1159
1071 TCCTTTGCTCATGAGAGACCCGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1130
1160 CAGTGCAACACCAACACACGAGCGTGTCTTGAAGAGATGATGATGATGATGATGATG 1219
1131 CAGTGCAACACCAACACACGAGCGTGTCTTGAAGAGATGATGATGATGATGATGATG 1190
1220 GAGGCTGTTTCTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 1279
1191 GAGGCTGTTTCTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 1250
1280 TGGGGGCTGAGGACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1339
1251 TGGGGGCTGAGGACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1310
1340 CCAAGTGTTCCTTCC 1354
1311 CCAAGTGTTCCTTCC 1325

RESULT 8
US-10-106-698-245
; Sequence 245, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patencin Ver. 3.0
; SEQ ID NO 245
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-245

Query Match 89.6%; Score 1213.4; DB 15; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

140 AGATAGCCATGTGTGAGCCTGTAATTTGGCAATGACAGGCGCAGGAGCCGAGCTGGCTG 199
111 AGATAGCCATGTGTGAGCCTGTAATTTGGCAATGACAGGCGCAGGAGCCGAGCTGGCTG 170
200 GAGGTGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 259
171 GAGGTGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 230
260 GCTTGTGCTTCTTCAATCTTCAATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319
231 GCTTGTGCTTCTTCAATCTTCAATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 290
320 GCTTGTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 379
291 GCTTGTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 350
380 GGAATATCAGTGTGAGCACTTCAACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 439
351 GGAATATCAGTGTGAGCACTTCAACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 410
440 GCTTCAACCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 499
411 GCTTCAACCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 470
500 GGGCTGCTTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 559
471 GGGCTGCTTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 530
560 CTTTGTGACATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 619
531 CTTTGTGACATGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 590
620 TGAACAGCTGTGAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 679
591 TGAACAGCTGTGAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 650
680 CTCTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 739
651 CTCTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 710
740 TGTCTGAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 799
711 TGTCTGAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 770
800 GGAACCTTCACATGATCTAATGCTGAGGCGCACTCCCTGAGCTGCTGTTGGAATG 859
771 GGAACCTTCACATGATCTAATGCTGAGGCGCACTCCCTGAGCTGCTGTTGGAATG 830
860 TCATTAGGTGCTTCAATTTGAGATGAGAAAGACCCGCTCATCTGAAAGCTGGTGAAG 919
831 TCATTAGGTGCTTCAATTTGAGATGAGAAAGACCCGCTCATCTGAAAGCTGGTGAAG 890
920 GAGCTGTGAGGATTCCTGCTGCTCCAGGTGCTCTGAGCTCACTGCTCCAGACTGAGAC 979
891 GAGCTGTGAGGATTCCTGCTGCTCCAGGTGCTCTGAGCTCACTGCTCCAGACTGAGAC 950
980 AGGGAGATTCTGCAATTTCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1039
951 AGGGAGATTCTGCAATTTCTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1010
1040 CTGCTTGGGCTGCTTTTCTCAATGATGATGATGATGATGATGATGATGATGATGAT 1099
1011 CTGCTTGGGCTGCTTTTCTCAATGATGATGATGATGATGATGATGATGATGATGAT 1070
1100 TCCTTTGCTCATGAGAGACCCGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1159
1071 TCCTTTGCTCATGAGAGACCCGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1130
1160 CAGTGCAACACCAACACACGAGCGTGTCTTGAAGAGATGATGATGATGATGATGATG 1219
1131 CAGTGCAACACCAACACACGAGCGTGTCTTGAAGAGATGATGATGATGATGATGATG 1190
1220 GAGGCTGTTTCTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 1279

Db 1191 GAGGCTGTTTTCACATCACTGCTATTTCCGACCCCACTTCTGCTGATGCTTTGT 1250
QY 1280 TGGGGGCTGGCCACTTCTCTGCTTCTCAAGCTGACAAATTCATCTTGCATAAATAGT 1339
Db 1251 TGGGGGCTGGCCACTTCTCTGCTTCTCAAGCTGACAAATTCATCTTGCATAAATAGT 1310
QY 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

RESULT 9

US-10-216-408-16
; Sequence 16, Application US/10216408
; Publication No. US20030013159A1

GENERAL INFORMATION:

APPLICANT: COHEN, MAURICE

COLPITTS, TRACEY L.

FRIDMAN, PAULA N.

GRANADOS, EDWARD N.

KLASS, MICHAEL R.

RUSSELL, JOHN C.

STROUPE, STEVEN D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

FOR DETECTING DISEASE OF THE GASTROINTESTINAL

TRACT

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories

STREET: 100 Abbott Park Road

CITY: Abbott Park

STATE: IL

COUNTRY: USA

ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/216,408

FILING DATE: 09-Aug-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/959,634

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.

REGISTRATION NUMBER: 35,441

REFERENCE/DOCKET NUMBER: 6188-US.01

TELECOMMUNICATION INFORMATION:

TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 1314 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-10-216-408-16

Query Match 89.4%; Score 1210.2; DB 14; Length 1314;

Best Local Similarity 99.3%; Pred. No. 0;

Matches 1206; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATGACCATGTGTAGCTGCTGAATTTGGCAATGACAGAGCGGAGCGGACCGTGGGTG 199
Db 100 AGATGACCATGTGTAGCTGCTGAATTTGGCAATGACAGAGCGGAGCGGACCGTGGGTG 159

QY 200 GCAAGTGGCAGATGTCTGTGTAAGAACGTTTGTGAGCCATGTCTGGATCGAATCTGTG 259
Db 160 GCAAGTGGCAGATGTCTGTGTAAGAACGTTTGTGAGCCATGTCTGGATCGAATCTGTG 219
QY 260 GCTCTGTCTCTTCAATCTTCAATGAGGTGCTGTGTGCTGATTAAGATGAGAGCACTG 319
Db 220 GCTCTGTCTCTTCAATCTTCAATGAGGTGCTGTGTGCTGATTAAGATGAGAGCACTG 279
QY 320 GAGCTGTGACAGCGGCGCTGTGACAGCGGCTGTGAGGAGGCTGTGAGGAGGCTGTG 379
Db 280 GAGCTGTGACAGCGGCGCTGTGACAGCGGCTGTGAGGAGGCTGTGAGGAGGCTGTG 339
QY 380 GGAATATCAGTGTGACACTTCAACCTGCGGTGTCTGTGACAGCCATGTGATTCGAG 439
Db 340 GGAATATCAGTGTGACACTTCAACCTGCGGTGTCTGTGACAGCCATGTGATTCGAG 399
QY 440 GCCTCAACCTGTGATGCTCTCCGCTGTGATGCTGTGATGCTGTGATGCTGTGATGCT 499
Db 400 GCCTCAACCTGTGATGCTCTCCGCTGTGATGCTGTGATGCTGTGATGCTGTGATGCT 459
QY 500 GGGCTGCTGTGACAAAGCGGTGAGTCTGTGAGAGAGGTTCTGGAATGATCTGTGAGG 559
Db 460 GGGCTGCTGTGACAAAGCGGTGAGTCTGTGAGAGAGGTTCTGGAATGATCTGTGAGG 519
QY 560 CCTTTGTGACATCCAGAGAGCAGGGGCGAGGTGCGAGGGGCTTTGCTGTGACAGATCC 619
Db 520 CCTTTGTGACATCCAGAGAGCAGGGGCGAGGTGCGAGGGGCTTTGCTGTGACAGATCC 579
QY 620 TGACGACGCTGTGACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATG 679
Db 580 TGACGACGCTGTGACCTGCTGTGATGATGATGATGATGATGATGATGATGATGATG 639
QY 680 CTCTGCCCCGCTTCTCAATGCGCTTTGCGTCAACGTTGATATCTGTGTGAGGCGCTG 739
Db 640 CTCTGCCCCGCTTCTCAATGCGCTTTGCGTCAACGTTGATATCTGTGTGAGGCGCTG 699
QY 740 TGTCTGAGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 799
Db 700 TGTCTGAGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 759
QY 800 GGAATTCACATGATCTACTGAGCTGTGAGGCGCACTCTGTGAGGCGCTTGTGTGAGCTG 859
Db 760 GGAATTCACATGATCTACTGAGCTGTGAGGCGCACTCTGTGAGGCGCTTGTGTGAGCTG 819
QY 860 TCATTAAGTGTCTTCAATGATGAGATGAGAAAGCCGCTCATCTGGAAGCTGTGAGGA 919
Db 820 TCATTAAGTGTCTTCAATGATGAGATGAGAAAGCCGCTCATCTGGAAGCTGTGAGGA 879
QY 920 GAGCTGTGAGATCTGTGCTGTGAGTGTGCTGTGAGTGTGCTGTGAGTGTGCTGTGAG 979
Db 880 GAGCTGTGAGATCTGTGCTGTGAGTGTGCTGTGAGTGTGCTGTGAGTGTGCTGTGAG 939
QY 980 AGGGAGTTCCTGATTTCTGTGCGAGGGCAGAGGCGCAAGAGAGCAGCCCTGTCTTCA 1039
Db 940 AGGGAGTTCCTGATTTCTGTGCGAGGGCAGAGGCGCAAGAGAGCAGCCCTGTCTTCA 999
QY 1040 CTGCTTGGGCGCTGCTTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1099
Db 1000 CTGCTTGGGCGCTGCTTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1059
QY 1100 TCTTTTGTGCTCATGAGAGCCCGAGCTGTGAGAAACGCTGTGCGCAGCTGTGCGCAG 1159
Db 1060 TCTTTTGTGCTCATGAGAGCCCGAGCTGTGAGAAACGCTGTGCGCAGCTGTGCGCAG 1119
QY 1160 CAGTGCACCAACCAACAGAGCGGTGTTCTTGAAGAGATGTCCCGAGTTGAGCAAG 1219
Db 1120 CAGTGCACCAACCAACAGAGCGGTGTTCTTGAAGAGATGTCCCGAGTTGAGCAAG 1179
QY 1220 GAGGCTGTTCATGACATGAGCTCATTTCCGAGACCCATTTCTGCTGATGATGCTTTGT 1279
Db 1180 GAGGCTGTTCATGACATGAGCTCATTTCCGAGACCCATTTCTGCTGATGATGCTTTGT 1239
QY 1280 TGGGGGCTGGCCACTTCTCTGCTTCTCAAGCTGACAAATTCATCTTGCATAAATAGT 1339

Db 1240 TGGGGGCGTGGGCACTCTGTTCTCAGAGCAATATCTCATTGCAATTAATCT 1299
Qy 1340 CCAAGTTCCTCC 1354
Db 1300 CCAAGTTCCTCC 1314

RESULT 10
US-10-158-646-49
; Sequence 49, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 49
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
US-10-158-646-49

Query Match 88.9%; Score 1203.4; DB 14; Length 1324;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 1222; Conservative 0; Mismatches 11; Indels 2; Gaps 1;

Qy 122 TCCCTTTTCCCTACGCGAGATAGCCATGTGAGCCCTGAATTTGGCAATGACAGGCCA 181
Db 90 TCCCTATGCTGGAAGAGCATATGCCATGTGAGCCCTGAATTTGGCAATGACAGGCCA 149
Qy 182 GGGAGCCGAGCGTGGGTGGCAGGTGGCGAGTGTCTGTGACGAACGGTTTGTGACGCAT 241
Db 150 GGGAGCCGAGCGTGGGTGGCAGGTGGCGAGTGTCTGTGACGAACGGTTTGTGACGCAT 209
Qy 242 GTCTGTGGAATCTGCTGGGCTCTGCTCTTTGATCTTCAATCGGGTGCCTGTGCTATTG 301
Db 210 GTCTGTGGAATCTGCTGGGCTCTGCTCTTTGATCTTCAATCGGGTGCCTGTGCTATTG 269
Qy 302 AGAATGGGACGGAAGCTGGGCTGTGCAAGCGGCCC--TGGCCCAAGGGCTGGCTTTGGG 359
Db 270 AGAATGGGACGGAAGCTGGGCTGTGCAAGCGGCCCCTGGCCCAAGGGCTGGCTTTGGG 329
Qy 360 GCTGTGATTCGCAAGCTGGGGAATATCATGTGTGACACTTCAACCTGCGGTGCTCT 419
Db 330 GCTGTGATTCGCAAGCTGGGGAATATCATGTGTGACACTTCAACCTGCGGTGCTCT 389
Qy 420 GGCAGCCATGCTGATTCGAGAGGCTCAACTGCTGTGATGCTCTCCCGTACTGAGGTCTCACA 479
Db 390 GGCAGCCATGCTGATTCGAGAGGCTCAACTGCTGTGATGCTCTCCCGTACTGAGGTCTCACA 449
Qy 480 GCTGTGCGGGGGGATGCTCGGGGGCTGGCCCTTGGCCAAAGGGGGTGAAGTCTTGAAGAGGTT 539
Db 450 GCTGTGCGGGGGGATGCTCGGGGGCTGGCCCTTGGCCAAAGGGGGTGAAGTCTTGAAGAGGTT 509
Qy 540 CTGGAATGATCTGGGGGCGGCTTTGTGACAGTTCAGAGAGAGGAGGAGGAGGAGGAGGAGG 599
Db 510 CTGGAATGATCTGGGGGCGGCTTTGTGACAGTTCAGAGAGAGGAGGAGGAGGAGGAGGAGG 569
Qy 600 GTTGTGGCAGAGATCATCTTGAAGAGCGTGTGCGGCTGGCTGTGATGATGGGTGCAT 659
Db 570 GTTGTGGCAGAGATCATCTTGAAGAGCGTGTGCGGCTGGCTGTGATGATGGGTGCAT 629
Qy 660 CAATGAGAAGACAAAGGGGCTCTGGGCGGCTTCTCCATCGGCTTGGCCGTGACCGGTGA 719

Db 630 CAATGAGAAGACAAAGGGGCTCTGGGCGGCTTCTCCATCGGCTTGGCCGTGACCGGTGA 689
Qy 720 TATCTGTGGGGGCGCTGTGTCTGAGGCTGCATGAATCCGCCCGTGTCTTTGAGCC 779
Db 690 TATCTGTGGGGGCGCTGTGTCTGAGGCTGCATGAATCCGCCCGTGTCTTTGAGACC 749
Qy 780 TGGGTGTGGGCAACCACTGGAACCTTCCATGATATCTGCTGGGGGCACTCTGGCC 839
Db 750 TGGGTGTGGGCAACCACTGGAACCTTCCATGATATCTGCTGGGGGCACTCTGGCC 809
Qy 840 TGGGCTGTGTGAGACTGCTATTAGGTGCTTCAATTTGAGAGATGGGAGACCCGCTCAT 899
Db 810 TGGGCTGTGTGAGACTGCTATTAGGTGCTTCAATTTGAGAGATGGGAGACCCGCTCAT 869
Qy 900 CCTGAAGGCTGGGTGAAGAGAGCTGTGAGATTCCTGTGCTCCAGGTGTCTCAGCTC 959
Db 870 CTTGAAGGCTGGGTGAAGAGAGCTGTGAGATTCCTGTGCTCCAGGTGTCTCAGCTC 929
Qy 960 ACTGTCCCAAGCTGAGAGCAGGGAGTTCTGCAATTTCTGCGCAGGGGAGAGGCCCA 1019
Db 930 ACTGTCCCAAGCTGAGAGCAGGGAGTTCTGCAATTTCTGCGCAGGGGAGAGGCCCA 989
Qy 1020 GGAGGAGCCCTGTGCTTCCATGCTTGGGCTGTGCTTCTCAGATGACTGACTGCTGAG 1079
Db 990 GGAGGAGCCCTGTGCTTCCATGCTTGGGCTGTGCTTCTCAGATGACTGACTGCTGAG 1049
Qy 1080 AGGCTCTAGGTTCTTGAATTCCTTTGTGCTCATGAGAGCCCAAGCTGGGGAACAGCC 1139
Db 1050 AGGCTCTAGGTTCTTGAATTCCTTTGTGCTCATGAGAGCCCAAGCTGGGGAACAGCC 1109
Qy 1140 TGGCCGCACTGCGCAGAGAGCGATGCAACCAACAGAGCGTGTCTTTGAGAGGA 1199
Db 1110 TGGCCGCACTGCGCAGAGAGCGATGCAACCAACAGAGCGTGTCTTTGAGAGGA 1169
Qy 1200 ATGTCGCCGAGTTGAGCAAGAGGCTGTGCTTGTGACATCATGCTCATTTCCGCAACCCAT 1259
Db 1170 ATGTCGCCGAGTTGAGCAAGAGGCTGTGCTTGTGACATCATGCTCATTTCCGCAACCCAT 1229
Qy 1260 TTTCTGTGATGTTGTTGTGGGGGCTGTGCACTTCTTGTCTTCAAGTGAAT 1319
Db 1230 TTTCTGTGATGTTGTTGTGGGGGCTGTGCACTTCTTGTCTTCAAGTGAAT 1289
Qy 1320 CTCACCTTGGCAATTAATAGTCCAGTGTTCCTCC 1354
Db 1290 CTCACCTTGGCAATTAATAGTCCAGTGTTCCTCC 1324

RESULT 11
US-10-023-896-11
; Sequence 11, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1388
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

NAME/KEY: misc feature
LOCATION: (1388)..
OTHER INFORMATION: n equals a,t,g, or c
US-10-023-896-11

Query Match 88.8%; Score 1202; DB 14; Length 1388;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

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QY 140 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCAGGAGCCGAGCTGGGTG 199
DB 120 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCAGGAGCCGAGCTGGGTG 179
QY 200 GCAAGTGGCGAGTGTCCCTGAGTACGAGCGTTTGTGACAGCCATGTCTGTGCAATCTGCTG 259
DB 180 GCAAGTGGCGAGTGTCCCTGAGTACGAGCGTTTGTGACAGCCATGTCTGTGCAATCTGCTG 239
QY 260 GCTCTGCTCTTTCATCTTCAATCGGATGCTGTGCTGATCATTTGAGATGGAGCGAGCACTG 319
DB 240 GCTCTGCTCTTTCATCTTCAATCGGATGCTGTGCTGATCATTTGAGATGGAGCGAGCACTG 299
QY 320 GGTCTGTGACGCGGCGCCCTTGGCCCAAGGCTGCTTGGGGCTGCTGATTTGCCAGCTGTG 379
DB 300 GGTCTGTGACGCGGCGCCCTTGGCCCAAGGCTGCTTGGGGCTGCTGATTTGCCAGCTGTG 359
QY 380 GGAATATCAGTGTGACACTTCAACCTGCGGTGCTCCCTGGAGCCCATCTGATTCGGAG 439
DB 360 GGAATATCAGTGTGACACTTCAACCTGCGGTGCTCCCTGGAGCCCATCTGATTCGGAG 419
QY 440 GCTTCAACCTGCGGTGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 499
DB 420 GCTTCAACCTGCGGTGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 479
QY 500 GGGCTGCTTGGGCAAGGCGGTGAGTCTGAGAGAGGCTCTGGAATGATCTGGGGCGG 559
DB 480 GGGCTGCTTGGGCAAGGCGGTGAGTCTGAGAGAGGCTCTGGAATGATCTGGGGCGG 539
QY 560 CCTTTGTACAGTCCAGAGCAAGGCGAGGTGCGAGGCGGTGCTGCTGCTGCTGCTGCTGCTG 619
DB 540 CCTTTGTACAGTCCAGAGCAAGGCGAGGTGCGAGGCGGTGCTGCTGCTGCTGCTGCTGCTG 599
QY 620 TGACGAGCGGCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 679
DB 600 TGACGAGCGGCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 659
QY 680 CTCTGCGCCCGTCTTCCATCGGCTTGGCGGTCAACGATGATCTGCGGCGGCGGCGG 739
DB 660 CTCTGCGCCCGTCTTCCATCGGCTTGGCGGTCAACGATGATCTGCGGCGGCGGCGG 719
QY 740 TGTCTGAGAGGCTGATGAATCCCGCGGCTGCTTGGAGCTGCGGTGCTGCGGCAACACT 799
DB 720 TGTCTGAGAGGCTGATGAATCCCGCGGCTGCTTGGAGCTGCGGTGCTGCGGCAACACT 779
QY 800 GGAACCTTCCATGATCTAATGAGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
DB 780 GGAACCTTCCATGATCTAATGAGGCGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 839
QY 860 TCATTAAGTGTCTTCAATTTGAGATGGAGAGCCGCTCACTCTGAGAGGCTGCGGTGAGCA 919
DB 840 TCATTAAGTGTCTTCAATTTGAGATGGAGAGCCGCTCACTCTGAGAGGCTGCGGTGAGCA 899
QY 920 GAGCTCGTGGAGTTCCTGCTGCTTCCAGGTGTCTTCAAGCTCACTGTCTCCAGACTAGAGAC 979
DB 900 GAGCTCGTGGAGTTCCTGCTGCTTCCAGGTGTCTTCAAGCTCACTGTCTCCAGACTAGAGAC 959
QY 980 AGGGAGTTCCTGCAATTTCTGCGCAGGCGAGAGGCGGCGGAGAGAGAGAGAGAGAGAGAG 1039
DB 960 AGGGAGTTCCTGCAATTTCTGCGCAGGCGAGAGGCGGCGGAGAGAGAGAGAGAGAGAGAG 1019
QY 1040 CTGCTTGGGCGTGTCTTCTGAGATGAGTGAAGTGAAGAGGCTTGAAGTCTTGGAGT 1099
DB 1020 CTGCTTGGGCGTGTCTTCTGAGATGAGTGAAGTGAAGAGGCTTGAAGTCTTGGAGT 1079
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QY 1100 TCCTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTGCGGCACTGCCAGAGAG 1159
DB 1080 TCCTTGTGCTCATCAGAGACCCAGCCTGGGGAACAGCTGCGGCACTGCCAGAGAG 1139
QY 1160 CAGTGCMAACACCAACACAGAGCGTGTCTTGAAGAGATGTCGCCAGTTGGACAG 1219
DB 1140 CAGTGCMAACACCAACACAGAGCGTGTCTTGAAGAGATGTCGCCAGTTGGACAG 1199
QY 1220 GAGCTGTCTTGCACATAGCTCAATTCGCGACCCCATTTCTGTTGATTTGCTTGT 1279
DB 1200 GAGCTGTCTTGCACATAGCTCAATTCGCGACCCCATTTCTGTTGATTTGCTTGT 1259
QY 1280 TGGGGGCTGGCCACTTCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1338
DB 1260 TGGGGGCTGGCCACTTCTTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1319
QY 1339 TCCAGTGTCTTCTTCC 1354
DB 1320 TCCAGTGTCTTCTTCC 1335
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RESULT 12

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US-10-106-698-1986
; Sequence 1986, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptides
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patemlin Ver. 3.0
; SEQ ID NO 1986
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1688)..  
OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1692)..  
OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1697)..  
OTHER INFORMATION: n equals a,t,g, or c
US-10-106-698-1986
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Query Match 88.8%; Score 1202; DB 15; Length 1712;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

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QY 140 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCAGGAGCCGAGCTGGGTG 199
DB 388 AGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAAAGCCAGGAGCCGAGCTGGGTG 447
QY 200 GCAAGTGGCGAGTGTCCCTGAGTACGAGCGTTTGTGACAGCCATGTCTGTGCAATCTGCTG 259
DB 448 GCAAGTGGCGAGTGTCCCTGAGTACGAGCGTTTGTGACAGCCATGTCTGTGCAATCTGCTG 507
QY 260 GCTCTGCTCTTTCATCTTCAATCGGATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319
DB 508 GCTCTGCTCTTTCATCTTCAATCGGATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 567
QY 320 GGTCTGTGACGCGGCGCCCTTGGCCCAAGGCTGCTTGGGGCTGCTGATTTGCCAGCTGTG 379
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Db	568	GGCTGCTGAGCGCGGCGCCCTGGCCACAGGGCTGGCTTTGGGGGCTGATGGCAACGCTGG	627
Qy	380	GGAAATATCATGTGTGGACACTTTCACCTTCGCGGTGTCCCTGGGCAAGCATGTGATCGAG	439
Db	628	GGAAATATCATGTGTGGACACTTTCACCTTCGCGGTGTCCCTGGGCAAGCATGTGATCGAG	687
Qy	440	GGCTCAACCTGGTGAATGCTCTCCGCTACTGGGTCTCAGAGCTGCTGGGGGGATGCTCG	499
Db	688	GGCTCAACCTGGTGAATGCTCTCCGCTACTGGGTCTCAGAGCTGCTGGGGGGATGCTCG	747
Qy	500	GGGCTGCCCTTGGCCAAAGGCGGTGAGCTCTGAGGAGAGGTTCTGGAATGCACTCGGGGCGG	559
Db	748	GGGCTGCCCTTGGCCAAAGGCGGTGAGCTCTGAGGAGAGGTTCTGGAATGCACTCGGGGCGG	807
Qy	560	CCTTTGTGACAGTCCAGAGACAGGGGCAAGTGGCAGAGGGCGTTGTGTGGACAGATATCC	619
Db	808	CCTTTGTGACAGTCCAGAGACAGGGGCAAGTGGCAGAGGGCGTTGTGTGGACAGATATCC	867
Qy	620	TGACGACGCTGTGGCCCTTGGCTGTATGATGGGTGCTCAATGAGAAAGCAAAAGGGC	679
Db	868	TGACGACGCTGTGGCCCTTGGCTGTATGATGGGTGCTCAATGAGAAAGCAAAAGGGC	927
Qy	680	CTCTGGCCCGTTCCTCCATCGGCTTTGACCGTCACCGTGAATATCCGGCTGGGGGGCGCTG	739
Db	928	CTCTGGCCCGTTCCTCCATCGGCTTTGACCGTCACCGTGAATATCCGGCTGGGGGGCGCTG	987
Qy	740	TGTCTGAGAGCTGCAATGAATCCCGCCCGTGTGATTTGGAATCTGCGGTGTGGCCAACT	799
Db	988	TGTCTGAGAGCTGCAATGAATCCCGCCCGTGTGATTTGGAATCTGCGGTGTGGCCAACT	104
Qy	800	GGAATTTTCATCTGGAATCTATCTGGCTTGGGGCCCACTCTGGCTGGCTGTGTTGTGACTGC	859
Db	1048	GGAATTTTCATCTGGAATCTATCTGGCTTGGGGCCCACTCTGGCTGGCTGTGTTGTGACTGC	110
Qy	860	TCAATTAGGTCCTCAATGAGATGGGAAACCCGCGCTCATCTGAAAGGCTCGGTGAAGA	919
Db	1108	TCAATTAGGTCCTCAATGAGATGGGAAACCCGCGCTCATCTGAAAGGCTCGGTGAAGA	116
Qy	920	GAGCTCGTGGAAATTCCTGCTGTCTCAGAGTGTCTCAGCTCACTGTCCAGACTGAGAC	979
Db	1168	GAGCTCGTGGAAATTCCTGCTGTCTCAGAGTGTCTCAGCTCACTGTCCAGACTGAGAC	122
Qy	980	AGGGAGTTCTCTGCAATTTCTGTCCAGGGGCAAGGCCCAGAGGACGACCCCTGCTTCCA	103
Db	1228	AGGGAGTTCTCTGCAATTTCTGTCCAGGGGCAAGGCCCAGAGGACGACCCCTGCTTCCA	128
Qy	1040	CTGCTTGGGCGCTGTTCTCABAATGACATGCTGCTGAGGAGGCTTATAGTCTTGGAAT	109
Db	1288	CTGCTTGGGCGCTGTTCTCABAATGACATGCTGCTGAGGAGGCTTATAGTCTTGGAAT	134
Qy	1100	TCCTTTGTGCTCATCAGAGACCCAGGCTTGGGGAAACAAGCTGCCGCACTGCCAGAGAG	115
Db	1348	TCCTTTGTGCTCATCAGAGACCCAGGCTTGGGGAAACAAGCTGCCGCACTGCCAGAGAG	140
Qy	1160	CAGTGCAAAACCAACAACGAGCGTGTCTTGAAGAGAAATGTCCCGAGTTGACAAG	121
Db	1408	CAGTGCAAAACCAACAACGAGCGTGTCTTGAAGAGAAATGTCCCGAGTTGACAAG	146
Qy	1220	GAGGCTGTTTCGACATCAGCTCATTTCCCGCAACCCCATTTCTTGCTGATTTGCTTGT	127
Db	1468	GAGGCTGTTTCGACATCAGCTCATTTCCCGCAACCCCATTTCTTGCTGATTTGCTTGT	152
Qy	1280	TGGGGGCTGGGCACTTCTTGCTCTCAAGCTGACAATTTCT - CACTTGCATTAATAG	133
Db	1528	TGGGGGCTGGGCACTTCTTGCTCTCAAGCTGACAATTTCTGCACTTTGCAATTAATAG	158
Qy	1339	TCAGTGTTCCTTCC 1354	
Db	1588	TCAGTGTTCCTTCC 1603	

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; Sequence 459, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Glsh, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezl, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Bos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295, 027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663, 733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350, 666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335, 394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332, 464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334, 393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340, 376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347, 211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347, 349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355, 250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356, 714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1366
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-295-027-459

Query Match      88.7%; Score 1200.4; DB 17; Length 1309;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1212; Conservative 0; Mismatches 1; Indels 1; Gaps 1

OY    140 AGATAGCCCATGTGAGCGCTGAATTGGGCATGACAAAGGCCAGCGACGTCGGTG   199
Db     95 AGATAGCCCATGTGAGCGCTGAATTGGGCATGACAAAGGCCAGCGACGTCGGTG   154
OY    200 GCAGGTGGCAGAGTGTCTCTGTACGACGAGCGTTGTGCAAGCATGTCTGTGCAACTGTG   259
Db    155 GCAGGTGGCAGAGTGTCTCTGTACGACGAGCGTTGTGCAAGCATGTCTGTGCAACTGTG   214
OY    260 GCTGTGCTCTTTCATCTTTCATCGGGTCCGTGCGGTCAATTGAGAATGGAGCGAACCTG   319
Db    215 GCTGTGCTCTTTCATCTTTCATCGGGTCCGTGCGGTCAATTGAGAATGGAGCGAACCTG   274
OY    320 GGCGTCGCGACCGCGCCCTGCGCCCAACGCGGCTGCGTTTGGGGCTCGTAATGTGCAAGCTG   379
Db    275 GGCGTCGCGACCGCGCCCTGCGCCCAACGCGGCTGCGTTTGGGGCTCGTAATGTGCAAGCTG   334
OY    380 GGAATATCAGTGTGTGACACTTCAACCCTGCGGTGTCCCTGCGACGACCATGCTGATCGAG   439
Db    335 GGAATATCAGTGTGTGACACTTCAACCCTGCGGTGTCCCTGCGACGACCATGCTGATCGAG   394
OY    440 GCCTCAACCTGTGATGCTCTCTCCCGTACTGGATCTCAACAAGCTGTCGGAGGAGATGCTCG   499

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Db 395 GCGTCAACCTGTGATGCTCCCGTACTGGGTCTCAAGCTCTCGGGGAGATGCTCG 454
QY 500 GGGCTGCTTGGCCCAAGCGGTGAGTCTTGAGAGAGGTTCTGAAATCATCTGGGGCGG 559
Db 455 GGGCTGCTTGGCCCAAGGTGTGAGTCTTGAGAGAGGTTCTGAAATCATCTGGGGCGG 514
QY 560 CTTTGTGACAGTCCAGAGAGAGGGGAGAGGGGCGTGGTGGCAAGATCATCC 619
Db 515 CTTTGTGACAGTCCAGAGAGAGGGGAGAGGGGCGTGGTGGCAAGATCATCC 574
QY 620 TGAACAGCTGTGCTGCTGCTGCTGTATGATGAGTGGTCCATATGAGAGCAAGAGGCC 679
Db 575 TGAACAGCTGTGCTGCTGCTGCTGTATGATGAGTGGTCCATATGAGAGCAAGAGGCC 634
QY 680 CTCTGAGCGCGCTTCTCATGCGCTTTCCTGACCGTGAATATCTGCTGGGGCGCTG 739
Db 635 CTCTGAGCGCGCTTCTCATGCGCTTTCCTGACCGTGAATATCTGCTGGGGCGCTG 694
QY 740 TGTCTGAGAGCTGATGAATCCCGCGCTTGTGAGCTGAGCGGTGGTGGCAAGCACT 799
Db 695 TGTCTGAGAGCTGATGAATCCCGCGCTTGTGAGCTGAGCGGTGGTGGCAAGCACT 754
QY 800 GGAATCTTCCATGATCTTACTGCTGAGCGCCCACTCTGCTGCTGCTGCTGCTGCTG 859
Db 755 GGAATCTTCCATGATCTTACTGCTGAGCGCCCACTCTGCTGCTGCTGCTGCTGCTG 814
QY 860 TCAATTAGTGTCTTCAATGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 919
Db 815 TCAATTAGTGTCTTCAATGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 873
QY 920 GAGCTGTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 979
Db 874 GAGCTGTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 933
QY 980 AGGGAGAGTCTTCTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1039
Db 934 AGGGAGAGTCTTCTGAGATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 993
QY 1040 CTGCTTGTGAGCTGCTTCTGAGATGATGATGATGATGATGATGATGATGATGATG 1099
Db 994 CTGCTTGTGAGCTGCTTCTGAGATGATGATGATGATGATGATGATGATGATGATG 1053
QY 1100 TCTTGTGAGCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1159
Db 1054 TCTTGTGAGCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1113
QY 1160 CAGTCAAAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 1219
Db 1114 CAGTCAAAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA 1173
QY 1220 GAGGCTGTTTGTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 1279
Db 1174 GAGGCTGTTTGTGACATGATGATGATGATGATGATGATGATGATGATGATGATG 1233
QY 1280 TGGGGGCGCTGCGACATCTTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1339
Db 1234 TGGGGGCGCTGCGACATCTTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1293
QY 1340 CCAAGTGTTCCTTC 1353
Db 1294 CCAAGTGTTCCTTC 1307

RESULT 14
US-10-396-943-6/c
; Sequence 6, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkovich, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP

; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 6
; LENGTH: 562
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 227165F1
; NAME/KEY: unsure
; LOCATION: 525, 550
; OTHER INFORMATION: a, t, c, g, or other
; PUBLIC INFORMATION:
US-10-396-943-6

Query Match 35.0%; Score 473.8; DB 16; Length 562;
Best Local Similarity 95.4%; Pred. No. 4.6e-13;
Matches 521; Conservative 0; Mismatches 18; Indels 7; Gaps 3;

QY 816 CTACTGCTGAGCCCA--CTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 870
Db 546 CTACTGCTGAGCCCACTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 487
QY 871 TTCAATTGGA--GATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 928
Db 486 TTCAATTGGAAGATGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 427
QY 929 GGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 988
Db 426 GGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 367
QY 989 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1048
Db 366 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 307
QY 1049 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1108
Db 306 CTTGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 247
QY 1109 CTGATCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1168
Db 246 CTGATCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 187
QY 1169 CACCAACAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1228
Db 186 CACCAACAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 127
QY 1229 TCTGACATGAGCTGATTTCCGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1288
Db 126 TCTGACATGAGCTGATTTCCGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 67
QY 1289 GGCACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1348
Db 66 GGCACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 7
QY 1349 CCTTCC 1354
Db 6 CCTTCC 1

RESULT 15
US-09-803-719-2329
; Sequence 2329, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.

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/ APPLICANT: Escobedo, Jaime
/ APPLICANT: Imitis, Michael A.
/ APPLICANT: Garcia, Pablo Dominguez
/ APPLICANT: Sudduth-Klinger, Julie
/ APPLICANT: Reinhard, Christoph
/ APPLICANT: Gleese, Klaus
/ APPLICANT: Randazzo, Filippo
/ APPLICANT: Kennedy, Giulia C.
/ APPLICANT: Pot, David
/ APPLICANT: Kassam, Altaf
/ APPLICANT: Lamson, George
/ APPLICANT: Drmanac, Radoje
/ APPLICANT: Crkvenjakov, Radomir
/ APPLICANT: Dickson, Mark
/ APPLICANT: Drmanac, Snezana
/ APPLICANT: Labat, Ivan
/ APPLICANT: Leshkowitz, Dena
/ APPLICANT: Kita, David
/ APPLICANT: Garcia, Veronica
/ APPLICANT: Jones, Lee William
/ APPLICANT: Stache-Crain, Birgit
/ TITLE OF INVENTION: Human Genes and Gene Products
/ FILE REFERENCE: 1624.002
/ CURRENT APPLICATION NUMBER: US/09/803,719
/ CURRENT FILING DATE: 2001-03-09
/ PRIOR APPLICATION NUMBER: 60/188,609
/ PRIOR FILING DATE: 2000-03-09
/ NUMBER OF SEQ ID NOS: 2396
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 2329
/ LENGTH: 321
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-803-719-2329

Query Match      23.3%; Score 315.2; DB 10; Length 321;
Best Local Similarity 99.1%; Pred. No. 2.4e-86;
Matches 317; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 668 AGACAAAGGGCCCTCTGCGCCCGCTTCTCCATGCGCTTTGCGGTCAACCGTGATATCTTGG 727
Db 1 AGACAAAGGGCCCTCTGCGCCCGCTTCTCCATGCGCTTTGCGGTCAACCGTGATATCTTGG 60
QY 728 CTGGGGGCGCCCTGTGTCTGAGGCTGCATGAATCCCGCCGCTTTTGGACTGGCGGTGG 787
Db 61 CTGGGGGCGCCCTGTGTCTGAGGCTGCATGAATCCCGCCGCTTTTGGACTGGCGGTGG 120
QY 788 TGGCCAACCACTGGAATCTTCACTGATCTA CTGGCTGGGCCCACTCTCGGCTGGCTTGC 847
Db 121 TGGCCAACCACTGGAATCTTCACTGATCTA CTGGCTGGGCCCACTCTCGGCTGGCTTGC 180
QY 848 TTGTGACTGTCTATTAGTGTCTTATTGAGATGGAGAACCCGCGCTCATCTGAAG 907
Db 181 TTGTGACTGTCTATTAGTGTCTTATTGAGATGGAGAACCCGCGCTCATCTGAAG 240
QY 908 CTGGTGAAGCAGACTGCTGGATTTCTGCTGCTCCAGGTGTCTTCACTCACTGTTC 967
Db 241 CTGGTGAAGCAGACTGCTGGATTTCTGCTGCTCCAGGTGTCTTCACTCACTGTTC 300
QY 968 CAGACTGAGACAGGGGAGT 987
Db 301 CAGACTGAGACAGGGGAGT 320
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